# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/20 to 01/31/20** | **DMR Due Date:** | **02/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 7 - Intake from Stream | 0 | -- | Sample | = | 0.99 | = | 1.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 32.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-02-05 12:09 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-02-26 09:14 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 01/31/20** | **DMR Due Date:** | **02/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 40.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 1.1 | = | 1.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 25.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.7 | = | 5.3 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 19 - | | | 06 - |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70295 | Solids, total dissolved | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 300.0 | = | 380.0 | mg/L | | 01/07 - Weekly | COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-02-05 12:11 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-02-26 09:14 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 01/31/20** | **DMR Due Date:** | **02/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 45.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.2 | = | 0.28 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-02-05 12:12 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-02-26 09:14 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 01/31/20** | **DMR Due Date:** | **02/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 43.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.056 | = | 0.087 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.8 | = | 9.8 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-02-05 12:14 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-02-26 09:14 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/20 to 01/31/20** | **DMR Due Date:** | **02/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-01-29 09:58 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-02-26 09:14 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/20 to 02/29/20** | **DMR Due Date:** | **03/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 7 - Intake from Stream | 0 | -- | Sample | = | 1.3 | = | 1.5 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 1.5 | = | 2.2 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-25 08:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-03-25 10:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/20 to 02/29/20** | **DMR Due Date:** | **03/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 35.0 | = | 39.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 2.2 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.9 | = | 2.5 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.5 | = | 1.1 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 19 - | | | 06 - |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70295 | Solids, total dissolved | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 310.0 | = | 480.0 | mg/L | | 01/07 - Weekly | COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-25 08:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-03-25 10:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/20 to 02/29/20** | **DMR Due Date:** | **03/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 42.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.26 | = | 0.29 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.4 | = | 0.4 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-25 08:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-03-25 10:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/20 to 02/29/20** | **DMR Due Date:** | **03/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 40.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.041 | = | 0.062 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.3 | = | 3.3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

| | |
|---|---|
| ***Comments*** | |
| Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709. | |
| ***Attachments*** | |
| *No attachments.* | |
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-25 08:36 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-03-25 10:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/20 to 02/29/20** | **DMR Due Date:** | **03/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-25 08:36 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-03-25 10:07 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 7 - Intake from Stream | 0 | -- | Sample | = | 1.5 | = | 1.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.7 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 8.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-04-03 09:03 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 42.0 | = | 47.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 1.7 | = | 1.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.4 | = | 8.4 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.8 | = | 1.7 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 19 - | | | 06 - |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70295 | Solids, total dissolved | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 280.0 | = | 370.0 | mg/L | | 01/07 - Weekly | COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-04-03 09:07 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 48.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.26 | = | 0.29 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.6 | = | 0.6 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-04-07 08:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | Temperature, water deg. fahrenheit | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 42.0 | = | 46.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 0.041 | = | 0.069 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 3.9 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

| | |
|---|---|
| ***Submission Note*** | |
| If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. | |
| ***Edit Check Errors*** | |
| *No errors.* | |

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-04-03 09:11 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 3700.0 | = | 4200.0 | 07 - gal/d | | | | | | | | | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.8 | = | 1.8 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-31 13:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | Thallium, total [as Tl] | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 15:50 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.1 | = | 8.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-31 13:02 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 27000.0 | = | 27000.0 | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | Oxygen demand, chem. [high level] [COD] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.2 | = | 1.2 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 16:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | Thallium, total [as Tl] | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 15:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 88000.0 | = | 88000.0 | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | Oxygen demand, chem. [high level] [COD] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 9.0 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 16:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | Flow rate | 1 - Effluent Gross | 0 | -- | Sample | = | 120000.0 | = | 120000.0 | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | Oxygen demand, chem. [high level] [COD] | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | pH | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | Solids, total suspended | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.3 | = | 1.3 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | Oil & Grease | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 16:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/20 to 03/31/20** | **DMR Due Date:** | **04/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-03-30 15:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-04-27 09:07 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/20 to 04/30/20** | **DMR Due Date:** | **05/28/20** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.5 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 8.9 | = | 28.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-05-05 09:07 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-05-22 09:53 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 04/30/20** | **DMR Due Date:** | **05/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 49.0 | = | 52.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.7 | = | 2.6 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 32.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.4 | = | 5.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 210.0 | = | 310.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-05-05 09:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-05-22 09:53 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 04/30/20** | **DMR Due Date:** | **05/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 50.0 | = | 51.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.2 | = | 0.29 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.4 | = | 1.4 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-05-06 18:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-05-22 09:53 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 04/30/20** | **DMR Due Date:** | **05/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 50.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.1 | = | 0.26 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.6 | = | 2.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-05-05 09:14 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-05-22 09:53 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/20 to 04/30/20** | **DMR Due Date:** | **05/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-05-04 11:06 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-05-22 09:53 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/20 to 05/31/20** | **DMR Due Date:** | **06/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.6 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 6.4 | = | 8.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator was placed online on 5/26/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-04 15:00 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-06-25 09:23 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/20 to 05/31/20** | **DMR Due Date:** | **06/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 61.0 | = | 75.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.1 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.8 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.1 | = | 9.6 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.7 | = | 2.5 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.018 | = | 0.018 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.2 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 180.0 | = | 270.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was placed online on 5/26/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-04 15:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-06-25 09:23 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/20 to 05/31/20** | **DMR Due Date:** | **06/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 57.0 | = | 66.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.3 | = | 0.32 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 7.6 | = | 7.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was placed online on 5/26/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-04 15:03 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-06-25 09:23 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/20 to 05/31/20** | **DMR Due Date:** | **06/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 75.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.068 | = | 0.15 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.8 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.4 | = | 8.4 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.004 | = | 0.004 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was placed online on 5/26/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-09 07:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-06-25 09:23 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/20 to 05/31/20** | **DMR Due Date:** | **06/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 5/26/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-04 15:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-06-25 09:23 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.4 | = | 1.6 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 4.2 | = | 7.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-08 14:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 82.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | ES - ESTIMA |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 9.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.4 | = | 3.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.015 | = | 0.019 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 260.0 | = | 370.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. During the time period of 6/14/20-6/22/20, an alternative method was used to estimate daily flow at Outfall 002 as a result of an equipment failure. Per direction from NYSDEC (James Malcolm) on 6/24/20, a Report of Noncompliance has been completed for this event (see attached).

***Attachments***

| Name | Type | Size |
|---|---|---|
| 14June2020RONE.pdf | pdf | 4291938.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2020-07-23 13:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, Regional Water Engineer **DEC Region:** 4

**Report Type:** ___ 5 Day ___ Permit Violation ___ Order Violation ___ Anticipated Noncompliance ___ Bypass/Overflow ✓ Other

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 06/14/2020 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 002

**Description of noncompliance(s) and cause(s):** On 6/22/20, Knolls personnel discovered that, although in normal operating range, the Outfall 002 flow data values did not appear to be accurate. Upon investigation, it was revealed that the flow transmitter had failed on 6/14/20 due to an environmental interference with the ultrasonic beam that measures the height of the water in the outfall flume. The flow transmitter was returned to normal operation on 6/22/20 and accurate flow data reporting resumed. The Knolls SPDES permit requires a daily flow reading at Outfall 002 via a totalizer. As a result of this equipment failure, flow will be estimated during the time period of 6/14/20-6/22/20.

**Has event ceased?** Yes **If so, when?** 6/22/2020 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 06/14/2020, 4:40 am **End date, time of event:** 06/22/2020 12:15 pm

**Date, time oral notification made to DEC?** 06/24/2020, 9:45 am **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Upon discovery of the transmitter failure on 6/22/20, Knolls personnel immediately began investigating the cause. While investigating the equipment itself, Knolls personnel cleared the outfall flume of potential environmental interferences (i.e. cobwebs). Shortly after, the flow transmitter returned to normal operation. Follow-up with the equipment manufacturer reinforced that the system is sensitive to environmental interferences. This event was discussed with NYSDEC engineer, James Malcolm, during his site visit on 6/24/20.

**Preventive (long term) corrective actions:** Knolls personnel have added inspecting the outfall flume for potential interferences during weekly inspections of the river water system, and will be performing an internal review of the flow data from the river water outfalls on a routine basis. The other river water outfalls were also evaluated and preventive actions were taken to reduce the risk of this failure occurring at these locations. Additionally, Knolls personnel are also evaluating the installation of an automated alarm system that will be able to immediately detect this condition in the future and alarm accordingly.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Kevin Gallagher **Title:** ESH Director **Date:** 7/20/2020

**Phone #:** ( 518 ) 395-4421 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

X Kevin Patrick Gallagher

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 68.0 | = | 73.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.28 | = | 0.31 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 9.5 | = | 9.5 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.011 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.005 | = | 0.01 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-08 14:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 80.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.094 | = | 0.12 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.9 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.009 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.002 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-07-10 07:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3900.0 | = | 5800.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 4.7 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-06 13:53 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-10 14:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 4.7 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-06 10:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 56000.0 | = | 56000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 3.9 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-10 13:53 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-07-10 07:14 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 100000.0 | = | 100000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 9.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 14.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-07 10:32 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 360000.0 | = | 360000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 8.0 | | | = | 8.0 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.5 | = | 1.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-06-10 14:04 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/20 to 06/30/20** | **DMR Due Date:** | **07/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Kevin | **Title:** | ESH Director | **Telephone:** | 518-395-4421 |
| **Last Name:** | Gallagher | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-07-06 10:03 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | kevin.gallagher@unnpp.gov |
| Name: | Kevin Gallagher |
| E-Mail: | kevin.gallagher@unnpp.gov |
| Date/Time: | 2020-07-27 09:10 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/20 to 07/31/20** | **DMR Due Date:** | **08/28/20** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.3 | = | 1.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.9 | = | 12.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-08-10 09:23 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-08-25 10:09 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/20 to 07/31/20** | **DMR Due Date:** | **08/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 79.0 | = | 82.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.8 | = | 7.3 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.3 | = | 1.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.01 | = | 0.021 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 300.0 | = | 430.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-08-10 09:24 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-08-25 10:09 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/20 to 07/31/20** | **DMR Due Date:** | **08/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 75.0 | = | 76.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.27 | = | 0.33 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.007 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.005 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-08-10 09:25 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-08-25 10:09 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/20 to 07/31/20** | **DMR Due Date:** | **08/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 79.0 | = | 81.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.074 | = | 0.084 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.5 | = | 4.5 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-08-10 09:25 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-08-25 10:09 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/20 to 07/31/20** | **DMR Due Date:** | **08/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-08-10 09:25 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-08-25 10:09 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/12/20 to 08/31/20** | **DMR Due Date:** | **09/28/20** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.3 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.2 | = | 5.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.007 | = | 0.017 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-09-08 10:45 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-09-24 10:45 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 08/31/20** | **DMR Due Date:** | **09/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 77.0 | = | 81.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 2.2 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.4 | = | 5.1 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.028 | = | 0.034 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.3 | = | 0.48 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 180.0 | = | 220.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-09-08 10:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-09-24 10:45 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 08/31/20** | **DMR Due Date:** | **09/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 75.0 | = | 76.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.26 | = | 0.3 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.004 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | tudornancy |
| Name: | Nancy Tudor |
| E-Mail: | nancy.tudor@unnpp.gov |
| Date/Time: | 2020-09-09 09:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-09-24 10:45 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 08/31/20** | **DMR Due Date:** | **09/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 77.0 | = | 81.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.082 | = | 0.15 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.2 | = | 3.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.011 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.004 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-09-08 10:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-09-24 10:45 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/12/20 to 08/31/20** | **DMR Due Date:** | **09/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.3 | = | 0.48 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-09-08 10:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-09-24 10:45 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.8 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.7 | = | 8.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 74.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.8 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 8.4 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.6 | = | 1.4 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.014 | = | 0.019 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.3 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 290.0 | = | 420.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:24 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 74.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.27 | = | 0.29 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.4 | = | 0.4 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.009 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.009 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 0.35 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.2 | = | 4.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.004 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:30 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1800.0 | = | 4300.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 470.0 | = | 1400.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.3 | = | 3.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:31 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 56000.0 | = | 56000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 16.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:26 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 190000.0 | = | 190000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.1 | = | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/12/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 320000.0 | = | 320000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.2 | = | 3.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/20 to 09/30/20** | **DMR Due Date:** | **10/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.3 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-10-14 12:31 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-10-26 12:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 10/31/20** | **DMR Due Date:** | **11/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.7 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 2.5 | = | 3.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.009 | = | 0.023 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-11-12 09:55 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-11-24 10:05 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 10/31/20** | **DMR Due Date:** | **11/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 67.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.6 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.7 | = | 3.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.024 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 290.0 | = | 410.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-11-12 09:56 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-11-24 10:05 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 10/31/20** | **DMR Due Date:** | **11/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 66.0 | = | 70.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.17 | = | 0.24 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 3.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-11-12 09:57 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-11-24 10:05 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 10/31/20** | **DMR Due Date:** | **11/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 67.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.18 | = | 0.3 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 7.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-11-12 09:57 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-11-24 10:05 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/20 to 10/31/20** | **DMR Due Date:** | **11/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-11-12 09:58 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-11-24 10:05 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/20 to 11/30/20** | **DMR Due Date:** | **12/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 2.2 | = | 2.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator was taken offline on 11/10/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-08 11:48 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-12-21 11:38 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/20 to 11/30/20** | **DMR Due Date:** | **12/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 46.0 | = | 52.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.2 | = | 2.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | | |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.2 | = | 4.7 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.0 | = | 2.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.013 | = | 0.015 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 280.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was taken offline on 11/10/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-08 11:49 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-12-21 11:38 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/20 to 11/30/20** | **DMR Due Date:** | **12/28/20** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 55.0 | = | 60.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.27 | = | 0.29 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 3.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.003 | = | 0.005 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was taken offline on 11/10/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-08 11:49 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-12-21 11:38 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/20 to 11/30/20** | **DMR Due Date:** | **12/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 45.0 | = | 51.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.25 | = | 0.31 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.6 | = | 3.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.007 | = | 0.008 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator was taken offline on 11/10/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-08 11:50 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-12-21 11:38 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/20 to 11/30/20** | **DMR Due Date:** | **12/28/20** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was taken offline on 11/10/2020. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-08 11:50 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2020-12-21 11:38 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 2.1 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 9.3 | = | 37.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-01-05 08:08 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 46.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.2 | = | 3.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 61.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 5.4 | = | 24.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 340.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KL2020WTCReport.PDF | pdf | 560333.0 |
| KL2020BMPCertification.PDF | pdf | 496951.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2021-01-26 13:05 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# State Pollutant Discharge Elimination System (SPDES)
# BEST MANAGEMENT PRACTICES (BMP) PLAN
# Permit Number: NY0005851

## *KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY*
## 2020

**Name of Facility**: Knolls Atomic Power Laboratory – Knolls Laboratory

**Location:** 2401 River Road
Niskayuna, NY 12309

**Owner:** U.S. Department of Energy
Naval Reactors Laboratory Field Office
P.O. Box 1069
Schenectady, New York 12301-1069

**Operator:** Fluor Marine Propulsion, LLC
P.O. Box 1072
Schenectady, New York 12301-1072

**Contact:** Program Manager
Environment, Safety, and Health
Naval Reactors Laboratory Field Office
(518) 395-6366

**This Section for Annual Review Documentation Only**
**Submit with December DMR**

- [X] Annual Review is Complete
- [ ] No Revisions Necessary
- [X] Minor Revisions Made and List of Changes Attached
- [ ] Major Revision Made and BMP will be submitted to NYSDEC within 30 days

**CERTIFICATION STATEMENT**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Signature of Principal Executive Officer or Authorized Agent

1/18/2021
Date

| Knolls Laboratory - SPDES Permit No. NY0005851 Best Management Practices (BMP) Plan BMP-11 | |
|---|---|
| Date: 12/31/2020 | |
| **Section** | **Change Summary** |
| GENERAL | General formatting changes and minor editorial (wording /phrasing) changes were made throughout the entire document. Updated cover page and footnotes to reflect new revision (BMP-11) and revision date (December 2020). Removed FMP-KAPL from the naming convention. Added the Knolls Site Operations Manual as a reference. |
| 4.0 BMP Pollution Prevention Team | Added background on Environmental Core Teams and their roles/responsibilities. |
| 6.5 Boiler House | Updated to reflect installation of Tanks 028 and 029, and closure of Tanks 007 and 020. |
| 6.10 Sewage Pumping Station | Added installation of high level alarm at the confluence manhole in order to prevent an overflow. |
| 6.15 DOE-EM Decontamination & Decomissioning Project Site | Updated the progress of the remediation activities within the SPRU Disposition Project Site and cited future D&D work to be performed by DOE-EM. |
| 12.0 Materials/Waste Handling, Storage, & Compatibility | Added background on and requirements for the Concrete Washout Area. |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2020 |
|---|
| Page 1 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Copper | MacroTech | 12/14/2000 | 0.2 | 0.5 | 002, 03B, 03D | | |
| Treatment J-663 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.4 | 5.9 | 002 | | |
| Treatment J-665 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.1 | 5.9 | 002 | | |
| Treatment J-669 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.1 | 5.9 | 002 | | |
| Treatment 52 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.3 | 9.4 | 002 | | |
| Treatment 63 | I&C Clean Metal Heat Transfer | 8/9/2006 | 0.004 | 0.3 | 002 | | |
| Boiler Treat FeD | Aqua-Vize | 8/9/2006 | 2.2 | 4.5 | 002 | | |
| Boiler Treat CA-M | Aqua-Vize | 8/9/2006 | 5.5 | 14 | 002 | | |
| PAS108AT | Evapco | 7/2/2018 | 0 | 0 | 002 | | (1) |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)* (1) PAS108AT was not used in 2020.

| Name: Michael Penik | Title: RES Manager | Phone: (518) 395-7208 |
|---|---|---|
| Signature: Michael Penik | Date: 1/18/2021 | Email: michael.penik@unnpp.gov |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2020 |
|---|
| Page 2 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Tower Treat 1200A | Aqua-Vize | 8/9/2006 | 5.8 | 15 | 002 | | |
| Surchlor | Surpass Chemical Co. | 8/9/2006 | 3.9 | 17 | 002 | | |
| Bromicide Granules | BWA Water Additives | 7/2/2018 | 0.08 | 0.65 | 002 | | (2) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)* (2) The maximum daily usage value (pounds/day) for bromicide is based on operating in accordance with the Installation, Operations and Maintenance Manual. This manual states that the maximum allowable weight of bromicide granules added to the cooling tower biocide feeder disperses over a thirty day period, and that the biocide feeder limits the bromicide granules exposure to the feed water providing a controlled application and release of pesticide.

| Name: Michael Penik | Title: RES Manager | Phone: (518) 395-7208 |
|---|---|---|
| Signature: Michael Penik | Date: 1/18/2021 | Email: michael.penik@unnpp.gov |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 52.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.26 | = | 0.27 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.8 | = | 2.8 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-01-12 16:25 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 46.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.28 | = | 0.34 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.7 | = | 6.7 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-01-05 08:10 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2200.0 | = | 6000.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.2 | = | 4.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-31 10:00 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 12:13 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 7.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-31 10:01 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 32000.0 | = | 32000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.0 | = | 1.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 11:55 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 11:56 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 81000.0 | = | 81000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.1 | = | 1.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 11:58 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 80000.0 | = | 80000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 1.0 | < | 1.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 12:11 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/20 to 12/31/20** | **DMR Due Date:** | **01/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2020-12-22 12:12 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-01-26 16:08 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 01/31/21** | **DMR Due Date:** | **02/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.1 | = | 13.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-08 11:42 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-02-25 10:07 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 01/31/21** | **DMR Due Date:** | **02/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.7 | = | 18.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.6 | = | 4.7 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 250.0 | = | 270.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-08 11:42 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-02-25 10:07 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 01/31/21** | **DMR Due Date:** | **02/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 45.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.25 | = | 0.26 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-08 11:43 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-02-25 10:07 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 01/31/21** | **DMR Due Date:** | **02/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 44.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.29 | = | 0.34 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 16.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-08 11:44 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-02-25 10:07 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/21 to 01/31/21** | **DMR Due Date:** | **02/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-01 13:18 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-02-25 10:07 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/21 to 02/28/21** | **DMR Due Date:** | **03/28/21** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 2.1 | = | 2.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-03-02 10:54 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-03-25 11:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/21 to 02/28/21** | **DMR Due Date:** | **03/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 36.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.1 | = | 2.4 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.3 | = | 3.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.6 | = | 2.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 260.0 | = | 380.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-03-02 11:10 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-03-25 11:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/21 to 02/28/21** | **DMR Due Date:** | **03/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 44.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.25 | = | 0.26 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.2 | = | 0.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-03-02 11:10 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-03-25 11:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/21 to 02/28/21** | **DMR Due Date:** | **03/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 35.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.26 | = | 0.33 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 1.0 | < | 1.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-03-02 11:11 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-03-25 11:39 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/21 to 02/28/21** | **DMR Due Date:** | **03/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-02-25 10:03 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-03-25 11:39 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.6 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 9.6 | = | 23.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

On 3/3/21, an additional pH measurement was taken at Outfall 001 in support of measuring pH at Outfall 03B. Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-07 14:55 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 50.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 2.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 50.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 38.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 700.0 | = | 1600.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-07 14:18 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-T**<br>WET TESTING ACTION LEVELS | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 61425 | **Toxicity [acute], Ceriodaphnia dubia** | V - See Comments | 0 | -- | **Sample** | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Permit Req.** | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | |
| 61426 | **Toxicity [chronic], Ceriodaphnia dubia** | V - See Comments | 0 | -- | **Sample** | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Permit Req.** | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | |
| 61427 | **Toxicity [acute], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | **Sample** | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Permit Req.** | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | |
| 61428 | **Toxicity [chronic], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | **Sample** | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Permit Req.** | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KnollsSPDESWholeEffluentToxicityTesting1stQtrReport2021.pdf | pdf | 9073376.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-25 08:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

**DEPARTMENT OF ENERGY**
NAVAL REACTORS LABORATORY FIELD OFFICE
POST OFFICE BOX 1069
SCHENECTADY, NEW YORK 12301-1069

NRLFO:AMO-S:ESH:21-043
19 May 2021

New York State
Department of Environmental Conservation
Toxicity Testing Unit
Bureau of Watershed Assessment and Management
625 Broadway – Fourth floor
Albany, New York 12233-3502

Dear Sir or Madam:

KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY: STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM - WHOLE EFFLUENT TOXICITY TESTING: 2021 FIRST QUARTER REPORT

Reference: (a) New York State Department of Environmental Conservation, State Pollutant Discharge Elimination System (SPDES) Discharge Permit, Permit Number NY0005851; Effective August 12, 2020

This letter provides the Knolls Atomic Power Laboratory (KAPL) - Knolls Laboratory Whole Effluent Toxicity testing report as required by Reference (a). The enclosed report is for the first quarter of 2021 (January – March). Test results show that there is no significant toxicity in the Knolls Laboratory effluent at Outfall 002.

Should you have any questions or require additional information, please contact the undersigned at (518) 395-6366.

Sincerely,

D. A. DELWICHE
Program Manager
Environment, Safety, and Health

Enclosure

Electronic copy to:
James Malcolm, NYSDEC

**Knolls Atomic Power Laboratory**
**SPDES Permit No. NY0005851**

**Whole Effluent Toxicity Testing: 2021 First Quarter Report**

## CERTIFICATION STATEMENT

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

E. Myers
Director, ESH

| Signature | Date |
|---|---|
| Erica Myers | 5/12/2021 |

Daily Average Flows During Sample Collection (Outfall 002)

| Date | Average Flow (gpm) |
|---|---|
| 3/22/21 | 1,505.6 |
| 3/23/21 | 1,463.9 |

Adirondack Environmental Services, Inc.
**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 13, 2021

Victoria Cullinan
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301
TEL: (518) 395-5329

Work Order No: 210324003
PO#: 140543
Release# : Line 2-KN-RES-21-30

RE: Wastewater
Quarterly Toxicity

Dear Victoria Cullinan:

Adirondack Environmental Services, Inc received 2 samples on 3/24/2021 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Monica Higdon
Laboratory Manager

## Adirondack Environmental Services, Inc

## CASE NARRATIVE

**Knolls Atomic Power Laboratory**

Wastewater

Quarterly Toxicity

**Date:** *13-Apr-21*

**Lab WorkOrder:** **210324003**

Sample containers were supplied by Adirondack Environmental Services.

**Definitions - RL: Reporting Limit DF: Dilution factor**

| | | |
|---|---|---|
| **Qualifiers:** | ND : Not Detected at reporting limit | C: CCV below acceptable Limits |
| | J: Analyte detected below quantitation limit | C+: CCV above acceptable Limits |
| | B: Analyte detected in Blank | S: LCS Spike recovery is below acceptable limits |
| | X : Exceeds maximum contamination limit | S+: LCS Spike recovery is above acceptable limits |
| | H: Hold time exceeded | Z: Duplication outside acceptable limits |
| | N: Matrix Spike below acceptable limits | T : Tentatively Identified Compound-Estimated |
| | N+: Matrix Spike is above acceptable limits | E :Above quantitation range-Estimated |

**Note : All Results are reported as wet weight unless noted**

**The results relate only to the items tested. Information supplied by the client is assumed to be correct.**

# ACUTE TOXICITY TEST REPORT FORM
# (FRESHWATER INVERTEBRATE, CERIODAPHNIA DUBIA)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301

Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210

Investigator(s): K. Gale, L. Stahl, G. Boleslav and C. Lawrence

Approved By: Francis G. Doherty April 5, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Ceriodaphnia dubia ARI Test ID No. 3-22-21-08
Test Starting Date: 3/24/21 Completion Date: 3/26/21

48-hr $LC_{50}$ > 100% (0% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = < 1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test & Type: | 48-Hour Static Renewal |
| Number of Effluent Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 4 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.015 |

Test Organism Source:

Test Species Ceriodaphnia dubia
Cultured (Check) X Other (Specify) _____
Commercial Hatchery (Specify) _____
Test Organism Age (days) <1
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through _ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 3/22-23/21 1100-1100
Day 1 3/23-24/21 1100-1100
Samples received by laboratory: 3/24 & 25/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 3/23/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes__ No X
Control Mortality: 0% X ≤10% ___ >10% (specify) _
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No_

Reference Toxicity Test Summary:

Test Starting Date: 3/ 1/21 Completion Date: 3/ 3/21
Test Organism: Ceriodaphnia dubia Other (specify): ____
Test Organism Age (days) <1 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 1,720 95% CL: 1,543-1,916
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 1,705+296
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes X No_

ARI Reference Test ID No.: 03-01-21-02 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 3-22-21-08).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 25.5 | 26.0 | 25.2 | 25.6 |
| 6.25 | 25.7 | 26.0 | 25.2 | 25.6 |
| 25 | 26.0 | 26.0 | 25.4 | 25.9 |
| 100 | 26.0 | 26.0 | 25.5 | 26.0 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 3-22-21-08).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.04 | 8.9 | 312 | 86 | 116 |
| 6.25 | 8.02 | 8.9 | 321 | 91 | 112 |
| 25 | 8.02 | 8.7 | 348 | 96 | 112 |
| 100 | 8.02 | 8.8 | 455 | 96 | 124 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.21 | 7.9 |
| 6.25 | 8.24 | 7.9 |
| 25 | 8.20 | 7.8 |
| 100 | 8.18 | 7.6 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.08 | 7.5 | 315 | 82 | 116 |
| 6.25 | 8.12 | 7.6 | 318 | 96 | 108 |
| 25 | 8.13 | 7.7 | 331 | 86 | 108 |
| 100 | 8.13 | 8.4 | 389 | 91 | 120 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.20 | 7.6 |
| 6.25 | 8.18 | 7.3 |
| 25 | 8.15 | 7.2 |
| 100 | 8.16 | 7.2 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 03-22-21-07,08

Date Sample Obtained: 3/24+25/21 Sample Handling: Chilled

Physical State: Liquid Color: light tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: NW Date: 3/24/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: NW Date: 3/24/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: ~~Reconstituted Water~~ Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | NW | 3/24/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 3/24/21 Investigator: [signature] Page 1 of 2

Test ID #: 03-22-21-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 3/24/21 2:22p ~DB

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 3/25/21 24 | 3/26/21 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 | 0 | | | | | |
| C | | | 0 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 6.25 | 125 | 0 | 0 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | | | 0 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 12.5 | 250 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | | | 0 | 0 | | | | | |
| L | | | 0 | 0 | | | | | |
| Investigator Initials: | | | CL | DB | | | | | |
| Time: | | | 12:30pm | 1.35p~ | | | | | |

a

b

c

d

e

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 3/24/21 Investigator: _____ Page 2 of 2

Test ID #: 03-22-21-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 3/24/21 2:22p - CB

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 3/25/21 | 3/26/21 | | | | | |
| | | | 24 | 48 | | | | | |
| M | 25 | 500 | 0 | 0 | | | | | |
| N | | | 0 | 0 | | | | | |
| O | | | 0 | 0 | | | | | |
| P | | | 0 | 0 | | | | | |
| Q | 50 | 1000 | 0 | 0 | | | | | |
| R | | | 0 | 0 | | | | | |
| S | | | 0 | 0 | | | | | |
| T | | | 0 | 0 | | | | | |
| U | 100 | 2000 | 0 | 0 | | | | | |
| V | | | 0 | 0 | | | | | |
| W | | | 0 | 0 | | | | | |
| X | | | 0 | 0 | | | | | |
| Investigator Initials: | | | CL | CB | | | | | |
| Time: | | | 12:20pm | 1:35pm | | | | | |

a _____
b _____
c _____
d _____
e _____

## TOXICITY TEST CHEMISTRY

Test ID #: 03-22-21-08 Species: Ceriodaphnia dubia

Test Material: KAPL 

| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 25.5 | 8.9 | 8.04 | 312 | 26.0 | 7.9 | 8.21 | |
| E-H | 6.25 | 25.7 | 8.9 | 8.02 | 321 | 26.0 | 7.9 | 8.24 | |
| M-P | 25 | 26.0 | 8.7 | 8.02 | 348 | 26.0 | 7.8 | 8.20 | |
| U-X | 100 | 26.0 | 8.8 | 8.02 | 455 | 26.0 | 7.6 | 8.18 | |
| Tech Initials | | DD | CL | CL | CL | CL | CL | CL | CL |
| Date | | 3/24/21 | 3/24/21 | 3/24/21 | 3/24/21 | 3/25/21 | 3/25/21 | 3/25/21 | 3/25/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 25.2 | 7.5 | 8.08 | 315 | 25.6 | 7.6 | 8.20 | |
| E-H | 6.25 | 25.2 | 7.6 | 8.12 | 318 | 25.6 | 7.3 | 8.18 | |
| M-P | 25 | 25.4 | 7.7 | 8.13 | 331 | 25.9 | 7.2 | 8.15 | |
| U-X | 100 | 25.5 | 8.4 | 8.13 | 389 | 26.0 | 7.2 | 8.16 | |
| Tech Initials | | CL | VS | VS | VS | DT | CL | CL | AP |
| Date | | 3/25/21 | 3/26/21 | 3/26/21 | 3/25/21 | 3/26/21 | 3/26/21 | 3/26/21 | 3/26/21 |

25 25

**CALCULATION OF SAMPLE ALKALINITY WORKSHEET**

Test ID #: 03-22-01-07,08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (1.8) · | (0.024) · | (50,000) / | ( 25 ) = | 86 | 0 | CL 3/24/21 |
| | 6.25 | (1.9) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 91 | ↓ | ↓ |
| | 25 | (2.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 96 | ↓ | ↓ |
| | 100 | (2.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 96 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (1.7) · | (0.024) · | (50,000) / | ( 25 ) = | 82 | 24 | KS 3/25/21 |
| | 6.25 | (2.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 96 | ↓ | ↓ |
| | 25 | (1.8) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 86 | ↓ | ↓ |
| | 100 | (1.9) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 91 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 03-22-24-07,08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.9) · | (0.040) · | (50,000) / | ( 25 ) | = 116 | 0 | RC 3/24/21 |
| | 6.25 | (2.8) · | ( ) · | (50,000) / | ( ) | = 112 | | |
| | 25 | (2.8) · | ( ) · | (50,000) / | ( ) | = 112 | | |
| | 100 | (3.1) · | ( ) · | (50,000) / | ( ) | = 124 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | 0 | (2.9) · | (0.040) · | (50,000) / | ( 25 ) | = 116 | 24 | RC 3/25/21 |
| | 6.25 | (2.7) · | ( ) · | (50,000) / | ( ) | = 108 | | |
| | 25 | (2.7) · | ( ) · | (50,000) / | ( ) | = 108 | | |
| | 100 | (3.0) · | ( ) · | (50,000) / | ( ) | = 120 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) | = | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY 000 5851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1100 End Time Sample Collection: 1100
Start Date Sample Collection: 3/22/21 End Date Sample Collection: 3/23/21
Effluent Sample Collected by: Michael Wilson Date: ___

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 3/23/21
Receiving Water Collected by: Michael Wilson Date: 3/23/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| [signature] | 3/24/21 | 0820 | [signature] |

Mark V 3/24/21 12:05pm D. Stolz

Sample Temp on Arrival: <10C Recorded by: D. Stolz

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: FDoherty Date: 3/29/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
Z1032400 3

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1100  End Time Sample Collection: 1100
Start Date Sample Collection: 3/23/21  End Date Sample Collection: 3/24/21
Effluent Sample Collected by: Michael Wilson  Date: 3/24/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): ___
Receiving Water Collected by: ___  Date: ___

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| | | | |

Sample Temp on Arrival: Fed-Ex 1.8°C 3/25/21  Recorded by: C. Lawrence 10:00am C. Lawrence

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F. Doherty  Date: 3/29/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER # 210324003

# ACUTE TOXICITY TEST REPORT FORM
# (FATHEAD MINNOW, PIMEPHALES PROMELAS)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301

Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210

Investigator(s): K.Gale, L. Stahl, C. Lawrence and G. Boleslav

Approved By: _____ April 5, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Pimephales promelas ARI Test ID No. 03-22-21-07
Test Starting Date: 3/24/21 Completion Date: 3/26/21

48-hr $LC_{50}$ > 100% (10% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = <1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test Type | 48-Hour Static Renewal |
| Number of Sample Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 2 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.65 |

Test Organism Source:

Test Species Pimephales promelas
Cultured (Check) _ Other (Specify) _____
Commercial Hatchery (Specify) Aquatox, Inc.
Test Organism Age (days) 9
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through _ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 3/22-23/21 1100-1100
Day 1 3/23-24/21 1100-1100
Samples received by laboratory: 3/24 & 25/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 3/23/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes_ No X
Control Mortality: 0% X ≤10% ___ >10% (specify) _
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No_

Reference Toxicity Test Summary:

Test Starting Date: 3/ 1/21 Completion Date: 3/ 3/21
Test Organism: Pimephales promelas Other (specify): ____
Test Organism Age (days) 7 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 8,659 95% CL: 8,320- 9,013
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 8,435+733
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes X No__

ARI Reference Test ID No.: 03-01-21-01 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 5 | 10 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 5 | 10 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 03-22-21-07).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 21.0 | 21.0 | 21.0 | 21.0 |
| 6.25 | 21.1 | 21.0 | 21.0 | 21.0 |
| 25 | 21.6 | 21.0 | 21.0 | 21.0 |
| 100 | 21.4 | 21.0 | 21.0 | 21.0 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 03-22-21-07).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.04 | 8.9 | 312 | 86 | 116 |
| 6.25 | 8.02 | 8.9 | 321 | 91 | 112 |
| 25 | 8.02 | 8.7 | 348 | 96 | 112 |
| 100 | 8.02 | 8.8 | 455 | 96 | 124 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.06 | 8.5 |
| 6.25 | 8.10 | 8.5 |
| 25 | 8.10 | 8.3 |
| 100 | 8.10 | 8.3 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.08 | 7.5 | 315 | 82 | 116 |
| 6.25 | 8.12 | 7.6 | 318 | 96 | 108 |
| 25 | 8.13 | 7.7 | 331 | 86 | 108 |
| 100 | 8.13 | 8.4 | 389 | 91 | 120 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 7.89 | 7.0 |
| 6.25 | 7.88 | 6.8 |
| 25 | 7.88 | 6.8 |
| 100 | 7.84 | 6.6 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 03-22-21-02,08

Date Sample Obtained: 3/24+25/21 Sample Handling: Chilled

Physical State: Liquid Color: light tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: NV Date: 3/24/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: NV Date: 3/24/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: ~~Reconstituted Water~~ Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | NV | 3/24/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 3/24/21 Investigator: [signature] Page 1 of 1

Test ID #: 03-22-21-07 Chemical: KAPL

Test Species: Pimephales promelas Source: Aquatox, Inc.

Test Organism Lot #: PP032121a1 # Organisms/Vessel: 10

Volume Diluent/Vessel: ~600 ml Time Start Test: 3/24/21 1:35pm KC

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 3/25/21 | 3/26/21 | | | | | |
| | | | 24 | 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 | 0 | | | | | |
| C | 6.25 | 125 | 0 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 12.5 | 250 | 0 | 0 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | 25 | 500 | 0 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 50 | 1000 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | 100 | 2000 | 0 | 1 | | | | | |
| L | | | *0 1 | 0 | | | | | |
| Investigator Initials: | | | VS | VS | | | | | |
| Time: | | | 10:25am | 12:40pm | | | | | |

a Fish Hatched 3/15/21 9 Days Old

b

c

d

e

## TOXICITY TEST CHEMISTRY

Test ID #: 03-22-21-07 Species: Pimephales promelas

Test Material: KAPL 

| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 21.0 | 8.9 | 8.04 | 312 | 21.0 | 8.5 | 8.06 | |
| C-D | 6.25 | 21.1 | 8.9 | 8.02 | 321 | 21.0 | 8.5 | 8.10 | |
| G-H | 25 | 21.6 | 8.7 | 8.02 | 348 | 21.0 | 8.3 | 8.10 | |
| K-L | 100 | 21.4 | 8.8 | 8.02 | 455 | 21.0 | 8.3 | 8.10 | |
| Tech Initials | | KW | CL | CL | CL | VS | VS | VS | VS |
| Date | | 3/24/21 | 3/24/21 | 3/24/21 | 3/24/21 | 3/25/21 | 3/25/21 | 3/25/21 | 3/25/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 21.0 | 7.5 | 8.08 | 315 | 21.0 | 7.0 | 7.89 | |
| C-D | 6.25 | 21.0 | 7.6 | 8.12 | 318 | 21.0 | 6.8 | 7.88 | |
| G-H | 25 | 21.0 | 7.7 | 8.13 | 331 | 21.0 | 6.8 | 7.88 | |
| K-L | 100 | 21.0 | 8.4 | 8.13 | 389 | 21.0 | 6.6 | 7.84 | |
| Tech Initials | | TB | VS | VS | VS | VS | VS | VS | VS |
| Date | | 3/25/21 | 3/25/21 | 3/25/21 | 3/25/21 | 3/26/21 | 3/26/21 | 3/26/21 | 3/26/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 03-22-01-07.08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (1.8) · | (0.024) · | (50,000) / | ( 25 ) = | 86 | 0 | CL 3/24/21 |
| | 6.25 | (1.9) · | ( ) · | (50,000) / | ( ) = | 91 | ↓ | ↓ |
| | 25 | (2.0) · | ( ) · | (50,000) / | ( ) = | 96 | | |
| | 100 | (2.0) · | ( ) · | (50,000) / | ( ) = | 96 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (1.7) · | (0.024) · | (50,000) / | ( 25 ) = | 82 | 24 | KS 3/25/21 |
| | 6.25 | (2.0) · | ( ) · | (50,000) / | ( ) = | 96 | ↓ | ↓ |
| | 25 | (1.8) · | ( ) · | (50,000) / | ( ) = | 86 | | |
| | 100 | (1.9) · | ( ) · | (50,000) / | ( ) = | 91 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 03-22-21-07,08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.9) · | (0.040) · | (50,000) / | ( 25 ) = | 116 | 0 | QC 3/24/21 |
| | 6.25 | (2.8) · | ( ) · | (50,000) / | ( ) = | 112 | | |
| | 25 | (2.8) · | ( ) · | (50,000) / | ( ) = | 112 | | |
| | 100 | (3.1) · | ( ) · | (50,000) / | ( ) = | 124 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (2.9) · | (0.040) · | (50,000) / | ( 25 ) = | 116 | 24 | QC 3/25/21 |
| | 6.25 | (2.7) · | ( ) · | (50,000) / | ( ) = | 108 | | |
| | 25 | (2.7) · | ( ) · | (50,000) / | ( ) = | 108 | | |
| | 100 | (3.0) · | ( ) · | (50,000) / | ( ) = | 120 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY 000 5851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1100 End Time Sample Collection: 1100
Start Date Sample Collection: 3/22/21 End Date Sample Collection: 3/23/21
Effluent Sample Collected by: Michael Wilson Date: ___

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 3/23/21
Receiving Water Collected by: Michael Wilson Date: 3/23/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| [signature] | 3/24/21 | 0820 | [signature] |

Mark V 3/24/21 12:05pm D. Stolz

Sample Temp on Arrival: <1°C Recorded by: D. Stolz

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: FDoherty Date: 3/29/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
210324003

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected _____
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1100 End Time Sample Collection: 1100
Start Date Sample Collection: 3/23/21 End Date Sample Collection: 3/24/21
Effluent Sample Collected by: Michael Wilson Date: 3/24/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): _____
Receiving Water Collected by: _____ Date: _____

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| | | | |

Fed-Ex 3/25/21 10:00am
Sample Temp on Arrival: 1.8°C Recorded by: C. Lawrence

Sample Disposition: Returned to Client ____ Trashed ____ Sewered X

Disposed By: F Doherty Date: 3/29/21

NOTES: _____

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
L1032400 3

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Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

# TERMS, CONDITIONS & LIMITATIONS

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(a) Neither **Adirondack Environmental Services, Inc.**, nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.**, its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.22 | = | 0.62 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.2 | = | 1.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-06 08:36 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 40.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.55 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.3 | = | 2.3 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-06 08:37 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 4400.0 | = | 7900.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.9 | = | 1.9 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-06 08:49 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-01 09:25 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-06 08:50 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 51000.0 | = | 51000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 7.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.5 | = | 4.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-01 09:38 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.3 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-01 09:36 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 240000.0 | = | 240000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 3.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-01 09:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 90000.0 | = | 90000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 9.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.8 | = | 1.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-01 09:43 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/21 to 03/31/21** | **DMR Due Date:** | **04/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Michael | **Title:** | RES Manager | **Telephone:** | 518-395-7208 |
| **Last Name:** | Penik | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-04-13 09:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | MICHAEL.PENIK@UNNPP.GOV |
| Name: | Michael Penik |
| E-Mail: | michael.penik@unnpp.gov |
| Date/Time: | 2021-04-26 15:08 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 04/30/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 3.5 | = | 4.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.007 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 4/19/21. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-05 08:33 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 04/30/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 51.0 | = | 57.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.3 | = | 3.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.7 | = | 9.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.2 | = | 4.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.012 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 190.0 | = | 260.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 4/19/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-05 08:39 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 04/30/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 51.0 | = | 59.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.27 | = | 0.29 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.0 | = | 2.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.007 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 4/19/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-05 08:38 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 04/30/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 51.0 | = | 57.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.28 | = | 0.34 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.7 | = | 8.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 4/19/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-05 08:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/21 to 04/30/21** | **DMR Due Date:** | **05/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed online on 4/19/21. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-05-04 09:43 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-05-26 13:07 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/21 to 05/31/21** | **DMR Due Date:** | **06/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.8 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 6.5 | = | 16.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.004 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-03 08:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-06-21 11:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/21 to 05/31/21** | **DMR Due Date:** | **06/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 71.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.9 | = | 2.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.4 | = | 11.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.3 | = | 4.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.01 | = | 0.011 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 280.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-03 08:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-06-21 11:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/21 to 05/31/21** | **DMR Due Date:** | **06/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 54.0 | = | 60.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.23 | = | 0.36 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.8 | = | 3.8 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.002 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-08 13:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-06-21 11:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/21 to 05/31/21** | **DMR Due Date:** | **06/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 59.0 | = | 71.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.19 | = | 0.32 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.005 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.002 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-03 08:30 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-06-21 11:10 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/21 to 05/31/21** | **DMR Due Date:** | **06/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-02 10:21 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-06-21 11:10 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 4.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.012 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-01 14:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.2 | = | 2.5 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 7.9 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.9 | = | 4.9 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.019 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 260.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-09 08:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-T**<br>WET TESTING ACTION LEVELS | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 61425 | **Toxicity [acute], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61426 | **Toxicity [chronic], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61427 | **Toxicity [acute], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61428 | **Toxicity [chronic], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KnollsSPDESWholeEffluentToxicityTesting2ndQtrReport2021.pdf | pdf | 1274370.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2021-08-26 09:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:30 (Time Zone: -04:00) |

**Knolls Atomic Power Laboratory**
**SPDES Permit No. NY0005851**

**Whole Effluent Toxicity Testing: 2021 Second Quarter Report**

## CERTIFICATION STATEMENT

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

E. Myers
Director, ESH

| Signature | Date |
|---|---|
| Elia Myers | 8-6-2021 |

Daily Average Flows During Sample Collection (Outfall 002)

| Date | Average Flow (gpm) |
|---|---|
| 6/14/21 | 1,750.4 |
| 6/15/21 | 1,521.4 |

**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

June 30, 2021

Victoria Cullinan
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301

TEL: (518) 395-5329

Work Order No: 210615001
PO#: 140543

RE: Wastewater
Quarterly Toxicity

Dear Victoria Cullinan:

Attached is the report for samples that were subcontracted for analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Christopher Hess
QA Manager

**ACUTE TOXICITY TEST REPORT FORM**
**(FATHEAD MINNOW, PIMEPHALES PROMELAS)**

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): L. Stahl, C. Lawrence, L. Pavord, and G. Boleslav

Approved By: _____ June 22, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Pimephales promelas ARI Test ID No. 06-14-21-06
Test Starting Date: 6/16/21 Completion Date: 6/18/21

48-hr $LC_{50}$ > 100% (0% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = <1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test Type | 48-Hour Static Renewal |
| Number of Sample Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 2 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.65 |

Test Organism Source:

Test Species Pimephales promelas
Cultured (Check) __ Other (Specify) _____
Commercial Hatchery (Specify) Aquatox, Inc.
Test Organism Age (days) 9
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through __ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 6/14-15/21 1000AM-1000AM
Day 1 6/15-16/21 1000AM-1000AM
Samples received by laboratory: 6/15 & 16/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 6/14/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes_ No X
Control Mortality: 0% X ≤10% ___ >10% (specify) __
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No__

Reference Toxicity Test Summary:

Test Starting Date: 6/ 7/21 Completion Date: 6/ 9/21
Test Organism: Pimephales promelas Other (specify): ____
Test Organism Age (days) 6 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 8,786 95% CL: 8,541- 9,037
Cumulative mean $LC_{50}$ ($\pm$SD) for previous 20 tests: 8,435+734
Current $LC_{50}$ within $\pm$2SD of mean $LC_{50}$? Yes X No__

ARI Reference Test ID No.: 06-07-21-01 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 5 | 5 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 5 | 5 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 06-14-21-06).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 21.0 | 20.0 | 21.0 | 20.3 |
| 6.25 | 21.0 | 20.0 | 21.0 | 20.0 |
| 25 | 21.0 | 20.0 | 20.9 | 20.0 |
| 100 | 20.7 | 20.0 | 20.6 | 19.8 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 06-14-21-06).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.12 | 7.0 | 355 | 115 | 126 |
| 6.25 | 8.12 | 7.4 | 363 | 120 | 139 |
| 25 | 8.10 | 7.6 | 377 | 115 | 143 |
| 100 | 8.06 | 8.4 | 437 | 147 | 139 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.19 | 8.1 |
| 6.25 | 8.17 | 8.0 |
| 25 | 8.17 | 8.1 |
| 100 | 8.12 | 8.2 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.03 | 7.2 | 358 | 115 | 130 |
| 6.25 | 8.12 | 7.4 | 358 | 110 | 126 |
| 25 | 8.09 | 7.7 | 364 | 110 | 130 |
| 100 | 8.05 | 8.5 | 398 | 106 | 126 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.10 | 7.7 |
| 6.25 | 8.11 | 7.9 |
| 25 | 8.09 | 7.9 |
| 100 | 7.96 | 7.9 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 06-14-21-06,-07

Date Sample Obtained: 6/15 & 16/21 Sample Handling: Chilled

Physical State: Liquid Color: Tan

Precipitate Present? NO Test Type: SRA

Tech Init.: CL Date: 6/16/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: CL Date: 6/14/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | CL | 6/16/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 6/16/21 Investigator: C. Lawrence Page 1 of 1

Test ID #: 06-14-21-06 Chemical: KAPL

Test Species: Pimephales promelas Source: Aquatox, Inc.

Test Organism Lot #: PP0621/632 # Organisms/Vessel: 10

Volume Diluent/Vessel: ~600 ml Time Start Test: 2:30pm 6/16/21 VS

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 6/17/21 24 | 6/18/21 6/18/21 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 | 0 | | | | | |
| C | 6.25 | 125 | 0 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 12.5 | 250 | 0 | 0 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | 25 | 500 | 1 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 50 | 1000 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | 100 | 2000 | 0 | 0 | | | | | |
| L | | | 0 | 0 | | | | | |
| Investigator Initials: | | | CL | [illegible] | | | | | |
| Time: | | | 9:25am | 2:50pm | | | | | |

a Fish Hatched 6/7/21 9 Days Old

b

c

d

e

## TOXICITY TEST CHEMISTRY

Test ID #: 06-14-21-06 Species: Pimephales promelas

Test Material: KAPL 

| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 21.0 | 7.0 | 8.12 | 355 | 20.0 | 8.1 | 8.19 | |
| C-D | 6.25 | 21.0 | 7.4 | 8.12 | 363 | 20.0 | 8.0 | 8.17 | |
| G-H | 25 | 21.0 | 7.6 | 8.10 | 377 | 20.0 | 8.1 | 8.17 | |
| K-L | 100 | 20.7 | 8.4 | 8.06 | 437 | 20.0 | 8.2 | 8.12 | |
| Tech Initials | | VS | LP | LP | LP | CL | LP | LP | CL |
| Date | | 6/16/21 | 6/16/21 | 6/16/21 | 6/16/21 | 6/17/21 | 6/17/21 | 6/17/21 | 6/17/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 21.0 | 7.2 | 8.03 | 358 | 20.3 | 7.7 | 8.10 | |
| C-D | 6.25 | 21.0 | 7.4 | 8.12 | 358 | 20.0 | 7.9 | 8.11 | |
| G-H | 25 | 20.9 | 7.7 | 8.09 | 364 | 20.0 | 7.7 | 8.09 | |
| K-L | 100 | 20.6 | 8.5 | 8.05 | 398 | 19.8 | 7.9 | 7.96 | |
| Tech Initials | | CL | VS | VS | VS | LP | LP | LP | LP |
| Date | | 6/17/21 | 6/17/21 | 6/17/21 | 6/17/21 | 6/18/21 | 6/18/21 | 6/18/21 | 6/18/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 06-14-21-06-07 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.5) · | (0.023) · | (50,000) / | ( 25 ) = | 115 | 0 | LP 6/16/21 |
| | 6.25 | (2.6) · | ( ) · | (50,000) / | ( ) = | 120 | ↓ | ↓ |
| | 25 | (2.5) · | ( ) · | (50,000) / | ( ) = | 115 | ↓ | ↓ |
| | 100 | (3.2) · | ( ) · | (50,000) / | ( ) = | 147 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (2.5) · | (0.023) · | (50,000) / | ( 25 ) = | 115 | 24 | CL 6/17/21 |
| | 6.25 | (2.4) · | ( ) · | (50,000) / | ( ) = | 110 | ↓ | ↓ |
| | 25 | (2.4) · | ( ) · | (50,000) / | ( ) = | 110 | ↓ | ↓ |
| | 100 | (2.3) · | ( ) · | (50,000) / | ( ) = | 106 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 06-14-71-06-07 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (3.0) · | (0.021) · | (50,000) / | ( 25 ) = | 126 | 0 | VS 6/16/21 |
| | 6.25 | (3.3) · | ( ) · | (50,000) / | ( ) = | 139 | ↓ | ↓ |
| | 25 | (3.4) · | ( ) · | (50,000) / | ( ) = | 143 | | |
| | 100 | (3.3) · | ( ) · | (50,000) / | ( ) = | 139 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (3.1) · | (0.021) · | (50,000) / | ( 25 ) = | | 24 | CL 6/17/21 |
| | 6.25 | (3.0) · | ( ) · | (50,000) / | ( ) = | | ↓ | ↓ |
| | 25 | (3.1) · | ( ) · | (50,000) / | ( ) = | | | |
| | 100 | (3.0) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - Knolls Atomic Power Laboratory  Permit No.: NY0005851

Effluent Sampling Location: Outfall 002

Type of Sample: Grab — If Grab, Volume of Sample Collected —
Composite — If Composite, No. of Samples per Hour —
or No. of Samples per Day —
Volume of Sample Collected per Event —

Start Time Sample Collection: — End Time Sample Collection: —
Start Date Sample Collection: — End Date Sample Collection: —
Effluent Sample Collected by: — Date: —

Receiving Water Source: Mohawk River
Receiving Water Sampling Location: Upstream - On site Intake Pumphouse
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilson Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | 6/15/21 | 0° | SB |
| **Relinquished By** | **Date** | **Time** | **Received By** |
| SB | 6/15 | 1150 | A. Stolz |

Sample Temp on Arrival: _____ Recorded by: _____

Sample Disposition: Returned to Client _____ Trashed _____ Sewered _____

Disposed By: _____ Date: _____

NOTES: _____

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ____
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1000 AM End Time Sample Collection: 1000 AM
Start Date Sample Collection: 6/14/21 End Date Sample Collection: 6/15/21
Effluent Sample Collected by: Michael Wilsey Date: 6/15/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilsey Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| Fed-Ex | 6/16/21 | 9:45am | C. Lawrence |

Sample Temp on Arrival: 3.4°C Recorded by: C. Lawrence

Sample Disposition: Returned to Client ____ Trashed ____ Sewered X

Disposed By: F Doherty Date: 6/21/21

NOTES: ____

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
21041500 1

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1000 AM End Time Sample Collection: 1000 AM
Start Date Sample Collection: 6/15/21 End Date Sample Collection: 6/16/21
Effluent Sample Collected by: Michael Wilsey Date: 6/16/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilsey Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| Fedex | 6/17/21 | 10:05am | |

Sample Temp on Arrival: 2.0 °C Recorded by:

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty Date: 6/21/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
210615001

# ACUTE TOXICITY TEST REPORT FORM
# (FRESHWATER INVERTEBRATE, CERIODAPHNIA DUBIA)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): L. Stahl, G. Boleslav, L. Pavord and C. Lawrence

Approved By: Frances V. Doherty June 22, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Ceriodaphnia dubia ARI Test ID No. 06-14-21-07
Test Starting Date: 6/16/21 Completion Date: 6/18/21

48-hr $LC_{50}$ > 100% (0% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = < 1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test & Type: | 48-Hour Static Renewal |
| Number of Effluent Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 4 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.015 |

Test Organism Source:

Test Species Ceriodaphnia dubia
Cultured (Check) X Other (Specify) _____
Commercial Hatchery (Specify) _____
Test Organism Age (days) <1
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through _ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 6/14-15/21 1000AM-1000AM
Day 1 6/15-16/21 1000AM-1000AM
Samples received by laboratory: 6/15 & 16/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 6/14/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes__ No X
Control Mortality: 0% ___ ≤10% X >10% (specify) _
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No_

Reference Toxicity Test Summary:

Test Starting Date: 6/ 1/21 Completion Date: 6/ 3/21
Test Organism: Ceriodaphnia dubia Other (specify): ____
Test Organism Age (days) <1 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 1,612 95% CL: 1,416-1,835
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 1,693+289
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes X No

ARI Reference Test ID No.: 05-31-21-03 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 5 | 5 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 5 | 5 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 06-14-21-07).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 24.9 | 25.6 | 25.0 | 25.0 |
| 6.25 | 25.1 | 25.5 | 25.1 | 25.2 |
| 25 | 25.3 | 25.4 | 25.5 | 25.1 |
| 100 | 25.6 | 23.5 | 25.6 | 24.9 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 06-14-21-07).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.12 | 7.0 | 355 | 115 | 126 |
| 6.25 | 8.12 | 7.4 | 363 | 120 | 139 |
| 25 | 8.10 | 7.6 | 377 | 115 | 143 |
| 100 | 8.06 | 8.4 | 437 | 147 | 139 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.11 | 7.9 |
| 6.25 | 8.16 | 7.9 |
| 25 | 8.17 | 7.9 |
| 100 | 8.21 | 8.1 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.03 | 7.2 | 358 | 115 | 130 |
| 6.25 | 8.12 | 7.4 | 358 | 110 | 126 |
| 25 | 8.09 | 7.7 | 364 | 110 | 130 |
| 100 | 8.05 | 8.5 | 398 | 106 | 126 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.17 | 7.4 |
| 6.25 | 8.18 | 7.4 |
| 25 | 8.19 | 7.5 |
| 100 | 8.20 | 7.6 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 06-14-21-06,-07

Date Sample Obtained: 6/15+16/21 Sample Handling: Chilled

Physical State: Liquid Color: Tan

Precipitate Present? NO Test Type: SRA

Tech Init.: CL Date: 6/16/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: CL Date: 6/14/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | CL | 6/16/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 6/16/21 Investigator: C. Lawrence Page 1 of 2

Test ID #: 06-14-21-07 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 3:30pm 6/16/21 CL

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 6/17/21 | 6/18/21 | | | | | | |
| | | | 24 | 48 | | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | | |
| B | | | 1 | 0 | | | | | | |
| C | | | 0 | 0 | | | | | | |
| D | | | 0 | 0 | | | | | | |
| E | 6.25 | 125 | 0 | 0 | | | | | | |
| F | | | 0 | 0 | | | | | | |
| G | | | 0 | 0 | | | | | | |
| H | | | 0 | 0 | | | | | | |
| I | 12.5 | 250 | 0 | 0 | | | | | | |
| J | | | 0 | 0 | | | | | | |
| K | | | 0 | 0 | | | | | | |
| L | | | 0 | 0 | | | | | | |
| Investigator Initials: | | | LP | [illegible] | | | | | | |
| Time: | | | 2:42pm | 3:10p~ | | | | | | |

a
b
c
d
e

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 6/16/21 Investigator: C. Lawrence Page 2 of 2

Test ID #: 06-14-21-07 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 3:30pm 6/16/21 CL

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 6/17/21 | 6/18/21 | | | | | | |
| | | | 24 | 48 | | | | | | |
| M | 25 | 500 | 0 | 0 | | | | | | |
| N | | | 0 | 0 | | | | | | |
| O | | | 0 | 0 | | | | | | |
| P | | | 0 | 0 | | | | | | |
| Q | 50 | 1000 | 0 | 0 | | | | | | |
| R | | | 0 | 0 | | | | | | |
| S | | | 0 | 0 | | | | | | |
| T | | | 0 | 0 | | | | | | |
| U | 100 | 2000 | 0 | 0 | | | | | | |
| V | | | 0 | 0 | | | | | | |
| W | | | 0 | 0 | | | | | | |
| X | | | 0 | 0 | | | | | | |
| Investigator Initials: | | | LP | DP | | | | | | |
| Time: | | | 2:40pm | 3:10p.m. | | | | | | |

a
b
c
d
e

## TOXICITY TEST CHEMISTRY

Test ID #: 06-14-21-07 Species: Ceriodaphnia dubia

Test Material: KAPL



| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 24.9 | 7.0 | 8.12 | 355 | 25.6 | 7.9 | 8.11 | |
| E-H | 6.25 | 25.1 | 7.4 | 8.12 | 363 | 25.5 | 7.9 | 8.16 | |
| M-P | 25 | 25.3 | 7.6 | 8.10 | 377 | 25.4 | 7.9 | 8.17 | |
| U-X | 100 | 25.6 | 8.4 | 8.06 | 437 | 23.5 | 8.1 | 8.21 | |
| Tech Initials | | CL | LP | LP | LP | LP | | | |
| Date | | 6/16/21 | 6/16/21 | 6/16/21 | 6/16/21 | 6/17/21 | 6/17/21 | 6/17/21 | 6/17/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 25.0 | 7.4 7.2 | 8.03 | 358 | 25.0 | 7.4 | 8.17 | |
| E-H | 6.25 | 25.1 | 7.4 | 8.12 | 358 | 25.2 | 7.4 | 8.18 | |
| M-P | 25 | 25.5 | 7.7 | 8.09 | 364 | 25.1 | 7.5 | 8.19 | |
| U-X | 100 | 25.6 | 8.5 | 8.05 | 398 | 24.9 | 7.6 | 8.20 | |
| Tech Initials | | LP | VS | VS | VS | | LP | LP | |
| Date | | 6/17/21 | 6/17/21 | 6/17/21 | 6/17/21 | 6/18/21 | 6/18/21 | 6/18/21 | 6/18/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 06-14-21-06-07 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.5) · | (0.023) · | (50,000) / | ( 25 ) = | 115 | 0 | LP 6/16/21 |
| | 6.25 | (2.6) · | ( ) · | (50,000) / | ( ) = | 120 | ↓ | ↓ |
| | 25 | (2.5) · | ( ) · | (50,000) / | ( ) = | 115 | | |
| | 100 | (3.2) · | ( ) · | (50,000) / | ( ) = | 147 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (2.5) · | (0.023) · | (50,000) / | ( 25 ) = | 115 | 24 | CL 6/17/21 |
| | 6.25 | (2.4) · | ( ) · | (50,000) / | ( ) = | 110 | ↓ | ↓ |
| | 25 | (2.4) · | ( ) · | (50,000) / | ( ) = | 110 | | |
| | 100 | (2.3) · | ( ) · | (50,000) / | ( ) = | 106 | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 06-14-21-06,-07 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (3.0) · | (0.021) · | (50,000) / | ( 25 ) = | 126 | 0 | VS 6/16/21 |
| | 6.25 | (3.3) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 139 | ↓ | ↓ |
| | 25 | (3.4) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 143 | ↓ | ↓ |
| | 100 | (3.3) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 139 | ↓ | ↓ |
| | | ( ) · | ( ↓ ) · | (50,000) / | ( ) = | | | |
| | 0 | (3.1) · | (0.021) · | (50,000) / | ( 25 ) = | | 24 | CL 6/17/21 |
| | 6.25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | | ↓ | ↓ |
| | 25 | (3.1) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | | ↓ | ↓ |
| | 100 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - Knolls Atomic Power Laboratory  Permit No.: NY0005851

Effluent Sampling Location: Outfall 002

Type of Sample: Grab — If Grab, Volume of Sample Collected —
Composite — If Composite, No. of Samples per Hour —
or No. of Samples per Day —
Volume of Sample Collected per Event —

Start Time Sample Collection: — End Time Sample Collection: —
Start Date Sample Collection: — End Date Sample Collection: —
Effluent Sample Collected by: — Date: —

Receiving Water Source: Mohawk River
Receiving Water Sampling Location: Upstream - On site Intake Pumphouse
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilsey Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | 6/15/21 | 0° | SB |
| **Relinquished By** | **Date** | **Time** | **Received By** |
| SB | 6/15 | 1150 | A. Stolz |

Sample Temp on Arrival: _____ Recorded by: _____

Sample Disposition: Returned to Client _____ Trashed _____ Sewered _____

Disposed By: _____ Date: _____

NOTES: _____

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ____
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1000 AM End Time Sample Collection: 1000 AM
Start Date Sample Collection: 6/14/21 End Date Sample Collection: 6/15/21
Effluent Sample Collected by: Michael Wilsey Date: 6/15/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilsey Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| Fed-Ex | 6/16/21 | 9:45am | C. Lawrence |

Sample Temp on Arrival: 3.4°C Recorded by: C. Lawrence

Sample Disposition: Returned to Client ____ Trashed ____ Sewered X

Disposed By: F Doherty Date: 6/21/21

NOTES: ____

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
21041500 1

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 1000 AM End Time Sample Collection: 1000 AM
Start Date Sample Collection: 6/15/21 End Date Sample Collection: 6/16/21
Effluent Sample Collected by: Michael Wilsey Date: 6/16/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 6/14/21
Receiving Water Collected by: Michael Wilsey Date: 6/14/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | | | |
| Relinquished By | Date | Time | Received By |
| | | | |

Fedex 6/17/21 10:05am

Sample Temp on Arrival: 2.0 °C Recorded by:

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty Date: 6/21/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498 Email: contactus@aquatoxresearch.com

AES WORK ORDER #
210615001

Adirondack Environmental Services Inc.
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

# TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 64.0 | = | 67.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.3 | = | 0.35 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.2 | = | 1.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.012 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.005 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-09 08:30 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.2 | = | 0.22 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.6 | = | 4.6 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.002 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-06 07:59 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3200.0 | = | 5100.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.8 | = | 1.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-01 14:53 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-01 14:54 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-01 14:57 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 130000.0 | = | 130000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 14.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.8 | = | 3.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-29 09:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-29 09:07 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 150000.0 | = | 150000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 12.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 8.0 | | | = | 8.0 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.2 | = | 2.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-29 09:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 300000.0 | = | 300000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 19.0 | = | 19.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.6 | = | 2.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-06-29 09:12 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/21 to 06/30/21** | **DMR Due Date:** | **07/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-01 14:43 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-07-27 11:33 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 07/31/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 45.0 | = | 160.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.011 | = | 0.016 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional samples were collected throughout the month of July to support the investigation for the Net-TSS non-compliance events at Outfall 002 (7/13/21 and 7/20/21). Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-08-04 08:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:30 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 07/31/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.7 | = | 2.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 120.0 | = | 540.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| X 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 78.0 | = | 380.0 | 19 - mg/L | 3 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.03 | = | 0.03 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.3 | = | 0.4 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 270.0 | = | 360.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

| Parameter | | Monitoring Location | Field | Type | Description | Acknowledge |
|---|---|---|---|---|---|---|
| Code | Name | | | | | |
| 00530 | Solids, total suspended | 2 - Effluent Net | Quality or Concentration Sample Value 2 | Soft | The provided sample value is outside the permit limit. Please verify that the value you have provided is correct. | Yes |
| 00530 | Solids, total suspended | 2 - Effluent Net | Quality or Concentration Sample Value 3 | Soft | The provided sample value is outside the permit limit. Please verify that the value you have provided is correct. | Yes |

***Comments***

On 7/13/21 and 7/20/21, the Net-TSS results (380 mg/L and 99 mg/L, respectively) exceeded the daily maximum permit limit (40 mg/L). TSS was re-sampled at Outfall 001 and 002 on 7/15/21, 7/16/21, and 7/22/21, and the Net-TSS results were back in compliance with the permit limit. The Net-TSS monthly average (78 mg/L) also exceeded the permit limit of 20 mg/L for the month of July. Additional samples were collected throughout the month of July to support the investigation for these non-compliance events. Attached is the Report of Non-compliance Event Form. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| Outfall002netTSS_July2021_RONE.pdf | pdf | 587715.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:37 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:37 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, Regional Water Engineer **DEC Region:** 4

***Report Type:*** ___ *5 Day* X *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 7/13/2021, 7/20/2021 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 002

**Description of noncompliance(s) and cause(s):** On 7/13/21 and 7/20/21, the Net-TSS results (380 mg/L and 99 mg/L, respectively) exceeded the daily permit limit (40 mg/L). In addition, the Net-TSS monthly average (78 mg/L) exceeded the permit limit (20 mg/L). Large storm events on 7/11/21 and 7/18/21 resulting in 1.34" and 0.87" of rain, respectively, caused turbid water at both the Mohawk River and Outfall 002. No visible contrast was observed.

**Has event ceased?** Yes **If so, when?** 7/15/21, 7/22/21 **Was event due to plant upset?** No **SPDES limits violated?** Yes

**Start date, time of event:** 7/13/21, 7/20/21, 01:00, 01:00 am **End date, time of event:** 7/15/21, 7/22/21 01:25, 12:05 pm

**Date, time oral notification made to DEC?** 7/15/21, 7/22/21, 01:45, 03:00 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Knolls immediately re-sampled Outfalls 001 and 002 on 7/15/21 and 7/22/21 and the Net-TSS results were back in compliance with the Knolls Lab permit limits (32 mg/L and 12.3 mg/L, respectively). In addition, Knolls personnel inspected the site for potential sources of TSS to the system; no significant sources were identified. Knolls Engineering re-inspected all catch basins feeding Outfall 002 and measured the sediment levels. Any catch basin that was more than 10% full of sediment was flagged for cleanout. Knolls Engineering also camera scoped approximately one-third of the Outfall 002 stormwater system piping (i.e., main storm lines that receive greatest flow). Two breaches were discovered within the system and are being expedited for repair. Additionally, the Pump House galley, a location at the head-works of the river water system, was inspected for sediment; levels were satisfactory.

**Preventive (long term) corrective actions:** Knolls Engineering plans to camera scope the entire site stormwater system piping. Knolls has completed the cleanout of all of the catch basins in the Outfall 002 system that were identified to have sediment levels greater than 10%. Knolls Engineering has also modified site internal best management practices regarding catch basin sediment level inspections to ensure for more frequent cleanouts. The Knolls Lab is also pursuing the design and installation of long-term TSS engineering controls for stormwater (e.g., settling pond, hydrodynamic separators, TBD) coincident with the planned Outfall 002 replacement project. Additionally, Knolls Environmental Controls has developed and is in the process of executing a comprehensive sampling plan to evaluate the precision of the river water (Outfall 001) auto-sampler location, as well as to better understand TSS distribution throughout the site river water and stormwater systems, as both are contributors to the Outfall 002 flow stream.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event?

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 8-26-2021

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

x Erica Myers

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 07/31/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 68.0 | = | 69.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.63 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.017 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.004 | = | 0.009 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-08-04 08:33 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:30 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 07/31/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.22 | = | 1.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.5 | = | 7.5 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.017 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.002 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-08-04 08:38 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:30 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/21 to 07/31/21** | **DMR Due Date:** | **08/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.3 | = | 0.4 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-07-29 14:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-08-26 14:30 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/21 to 08/31/21** | **DMR Due Date:** | **09/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 34.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional samples were collected throughout the month of August to support the continued investigation for the July Net-TSS non-compliance events at Outfall 002. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-07 11:52 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-09-22 17:06 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/21 to 08/31/21** | **DMR Due Date:** | **09/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 78.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 1.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 26.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.8 | = | 2.6 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.1 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.015 | = | 0.017 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 170.0 | = | 210.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional samples were collected throughout the month of August to support the continued investigation for the July Net-TSS non-compliance events at Outfall 002. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-13 11:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-09-22 17:06 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/21 to 08/31/21** | **DMR Due Date:** | **09/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 72.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.97 | = | 1.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.011 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.03 | = | 0.07 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-13 11:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-09-22 17:06 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/21 to 08/31/21** | **DMR Due Date:** | **09/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 78.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.09 | = | 0.27 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.005 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-07 12:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-09-22 17:06 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/21 to 08/31/21** | **DMR Due Date:** | **09/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.2 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-02 09:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-09-22 17:06 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 6.5 | = | 9.6 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.004 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional samples were collected throughout the month of September to support the continued investigation for the July Net-TSS non-compliance events at Outfall 002. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-10-11 11:21 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 69.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 2.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.9 | = | 7.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.4 | = | 1.7 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.07 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 180.0 | = | 220.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-10-11 11:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-T**<br>WET TESTING ACTION LEVELS | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 61425 | **Toxicity [acute], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61426 | **Toxicity [chronic], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61427 | **Toxicity [acute], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61428 | **Toxicity [chronic], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KnollsSPDESWholeEffluentToxicityTesting3rdQtrReport2021.pdf | pdf | 1687831.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2021-11-23 12:19 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

**DEPARTMENT OF ENERGY**
NAVAL REACTORS LABORATORY FIELD OFFICE
POST OFFICE BOX 1069
SCHENECTADY, NEW YORK 12301-1069

NRLFO:AMO-S:ESH:21-111
23 November 2021

Sent via Email – No Hard Copy to Follow

New York State
Department of Environmental Conservation
Toxicity Testing Unit
Bureau of Watershed Assessment and Management
625 Broadway – Fourth floor
Albany, New York 12233-3502

Dear Sir or Madam:

KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY: STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM - WHOLE EFFLUENT TOXICITY TESTING: 2021 THIRD QUARTER REPORT

Reference: (a) New York State Department of Environmental Conservation, State Pollutant Discharge Elimination System (SPDES) Discharge Permit, Permit Number NY0005851; Effective August 12, 2020

This letter provides the Knolls Atomic Power Laboratory (KAPL) - Knolls Laboratory Whole Effluent Toxicity testing report as required by Reference (a). The enclosed report is for the third quarter of 2021 (July – September). Test results show that there is no significant toxicity in the Knolls Laboratory effluent at Outfall 002.

Should you have any questions or require additional information, please contact the undersigned at (518) 395-6366.

Sincerely,

D. A. DELWICHE
Program Manager
Environment, Safety, and Health

Enclosure

Electronic copy to:
James Malcolm, NYSDEC

**Knolls Atomic Power Laboratory**
**SPDES Permit No. NY0005851**

**Whole Effluent Toxicity Testing: 2021 Third Quarter Report**

## CERTIFICATION STATEMENT

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

E. Myers
Director, ESH

| Signature | Date |
|---|---|
| | 11-15-2021 |

Daily Average Flows During Sample Collection (Outfall 002)

| Date | Average Flow (gpm) |
|---|---|
| 8/30/21 | 863.4 |
| 8/31/21 | 914.1 |

**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

November 22, 2021

Victoria Cullinan
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301

TEL: (518) 395-5329

Work Order No: 210831073
PO#: 140543
Release# : Line 2-KN-RES-21-165

RE: Wastewater
Quarterly Toxicity

Dear Victoria Cullinan:

Attached is the report for samples that were subcontracted for analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Christopher Hess
QA Manager

**ACUTE TOXICITY TEST REPORT FORM**
**(FATHEAD MINNOW, PIMEPHALES PROMELAS)**

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): M. Muller, L. Stahl, C. Lawrence, L. Pavord, and G. Boleslav

Approved By: Francis G Doherty September 13, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Pimephales promelas ARI Test ID No. 08-30-21-07
Test Starting Date: 9/ 1/21 Completion Date: 9/ 3/21

48-hr $LC_{50}$ > 100% (0% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = <1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = <10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test Type | 48-Hour Static Renewal |
| Number of Sample Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 2 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.65 |

Test Organism Source:

Test Species Pimephales promelas
Cultured (Check) __ Other (Specify) _____
Commercial Hatchery (Specify) Aquatox, Inc.
Test Organism Age (days) 9
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through __ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 8/30-31/21 0945-0945
Day 1 8/31-9/ 1/21 0945-0945
Samples received by laboratory: 9/ 1 & 3/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 8/31/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes_ No X
Control Mortality: 0% X ≤10% ___ >10% (specify) __
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No__

Reference Toxicity Test Summary:

Test Starting Date: 8/ 2/21 Completion Date: 8/ 4/21
Test Organism: Pimephales promelas Other (specify): ____
Test Organism Age (days)7 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 8,053 95% CL: 7,539- 8,604
Cumulative mean $LC_{50}$ ($\pm$SD) for previous 20 tests: 8478+732
Current $LC_{50}$ within $\pm$2SD of mean $LC_{50}$? Yes X No__

ARI Reference Test ID No.: 08-02-21-02 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

Did not receive 2nd sample in testing period due to weather delays during shipping. Test was limited to non-renewal.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 08-30-21-07).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 21.0 | 20.5 | - | 20.4 |
| 6.25 | 21.1 | 20.4 | - | 20.3 |
| 25 | 21.1 | 20.5 | - | 20.2 |
| 100 | 21.0 | 20.5 | - | 20.2 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 08-30-21-07).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 7.91 | 7.4 | 256 | 83 | 105 |
| 6.25 | 8.00 | 7.5 | 260 | 92 | 101 |
| 25 | 7.98 | 7.6 | 283 | 97 | 105 |
| 100 | 7.99 | 8.5 | 366 | 97 | 109 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 7.88 | 7.9 |
| 6.25 | 7.93 | 7.8 |
| 25 | 7.95 | 8.0 |
| 100 | 7.97 | 8.1 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | - | - | - | - | - |
| 6.25 | - | - | - | - | - |
| 25 | - | - | - | - | - |
| 100 | - | - | - | - | - |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.07 | 8.2 |
| 6.25 | 8.02 | 8.2 |
| 25 | 8.02 | 8.2 |
| 100 | 8.03 | 8.3 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 08-30-21-02,-08

Date Sample Obtained: ~~9/1/21~~ 9/1-3/21 Sample Handling: Chilled

Physical State: Liquid Color: Tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: MM Date: 9/1/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: MM Date: 9/1/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | MM | 9/1/21 |
| 6.25 | 125 | ↓ | ↓ | ↓ |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

***Aqua*TOX *Research, Inc.*,** 1201 East Fayette Street, Syracuse, NY 13210

* Day 2 sample arrived late due to shipping delays

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 9/1/21 Investigator: M. Muller Page 1 of 1

Test ID #: 08-30-21-07 Chemical: KAPL

Test Species: Pimephales promelas Source: Aquatox, Inc.

Test Organism Lot #: 880621/644 # Organisms/Vessel: 10

Volume Diluent/Vessel: ~600 ml Time Start Test: 9/1/21 1:15pm LP

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 9/1/21 | 9/3/21 | | | | | |
| | | | 24 | 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 | 0 | | | | | |
| C | 6.25 | 125 | 0 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 12.5 | 250 | 0 | 0 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | 25 | 500 | 0 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 50 | 1000 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | 100 | 2000 | 0 | 0 | | | | | |
| L | | | 0 | 0 | | | | | |
| Investigator Initials: | | | DB | LP | | | | | |
| Time: | | | 9:30a | 12:45pm | | | | | |

[a] Fish Hatched 8/23/21 9 Days Old

[b]

[c]

[d]

[e]

## TOXICITY TEST CHEMISTRY

Test ID #: 08-30-21-07 Species: Pimephales promelas

Test Material: KAPL



| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 21.0 | 7.4 | 7.91 | 256 | 20.5 | 7.9 | 7.88 | |
| C-D | 6.25 | 21.1 | 7.5 | 8.06 | 260 | 20.4 | 7.8 | 7.93 | |
| G-H | 25 | 21.1 | 7.6 | 7.98 | 283 | 20.5 | 8.0 | 7.95 | |
| K-L | 100 | 21.0 | 8.5 | 7.99 | 3166 | 20.5 | 8.1 | 7.97 | |
| Tech Initials | | LP | VS | VS | VS | OD | OD | OB | OB |
| Date | | 9/1/21 | 9/1/21 | 9/1/21 | 9/1/21 | 9/2/21 | 9/2/21 | 9/2/21 | 9/2/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | | | | | 20.4 | 8.2 | 8.07 | |
| C-D | 6.25 | | | | | 20.3 | 8.2 | 8.02 | |
| G-H | 25 | | | | | 20.2 | 8.2 | 8.02 | |
| K-L | 100 | | | | | 20.2 | 8.3 | 8.03 | |
| Tech Initials | | CL | CL | CL | CL | LP | CL | CL | LP |
| Date | | 9/2/21 | 9/2/21 | 9/2/21 | 9/2/21 | 9/3/21 | 9/3/21 | 9/3/21 | 9/3/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 08-30-21-07,-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (1.8) | (0.023) | (50,000) | (25) | = 83 | 0 | VS 9/1/21 |
| | 6.25 | (2.0) | ( ↓ ) | (50,000) | ( ↓ ) | = 92 | ↓ | ↓ |
| | 25 | (2.1) | ( ↓ ) | (50,000) | ( ↓ ) | = 97 | ↓ | ↓ |
| | 100 | (2.1) | ( ↓ ) | (50,000) | ( ↓ ) | = 97 | ↓ | ↓ |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | 0 | ( ) | ( ) | (50,000) | (25) | = | 24 | VS 9/2/21 |
| | 6.25 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | 25 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | 100 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 08-30-21-07-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | | Normality (EDTA) | | Constant | | Sample Volume (mls) | | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | (25) | · | (0.021) | · | (50,000) | / | (25) | = | 105 | 0 | VS 9/1/21 |
| | 6.25 | (24) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 101 | ↓ | ↓ |
| | 25 | (25) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 105 | ↓ | ↓ |
| | 100 | (26) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 109 | ↓ | ↓ |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | 0 | ( ) | · | ( ) | · | (50,000) | / | (25) | = | | 24 | VS 9/2/21 |
| | 6.25 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | ↓ |
| | 25 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | 100 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | ↓ |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event ___

Start Time Sample Collection: 0945  End Time Sample Collection: 0945
Start Date Sample Collection: 8/31/21  End Date Sample Collection: 8/31/21
Effluent Sample Collected by: Michael Wilson  Date: ___

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 8/31/21
Receiving Water Collected by: Michael Wilson  Date: 8/31/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | 8/31/21 | 4:00 | [signature] |
| Relinquished By | Date | Time | Received By |
| [signature] | 9/1/21 | 11:15am | C. Lawrence |

Sample Temp on Arrival: <1°C  Recorded by: C. Lawrence

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F D'Onofrio  Date: 9/3/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER # 21083107 3

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0945  End Time Sample Collection: 0945
Start Date Sample Collection: 8/31/21  End Date Sample Collection: 9/1/21
Effluent Sample Collected by: Michael Wilson  Date: 9/1/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 9/1/21
Receiving Water Collected by: Michael Wilson  Date: 9/1/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | | | |
| Relinquished By | Date | Time | Received By |
| FedEx | 9/3/21 | 10:00am | L Pavon |

Sample Temp on Arrival: 10.3°C  Recorded by: L Pavon

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty  Date: 9/3/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #
2108 31086

# ACUTE TOXICITY TEST REPORT FORM
# (FRESHWATER INVERTEBRATE, CERIODAPHNIA DUBIA)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): L. Stahl, M. Muller, G. Boleslav and C. Lawrence

Approved By: Francis G Doherty September 13, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Ceriodaphnia dubia ARI Test ID No. 08-30-21-08
Test Starting Date: 9/ 1/21 Completion Date: 9/ 3/21

48-hr $LC_{50}$ > 100% (5% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = < 1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test & Type: | 48-Hour Static Renewal |
| Number of Effluent Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 4 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.015 |

Test Organism Source:

Test Species Ceriodaphnia dubia
Cultured (Check) X Other (Specify) _____
Commercial Hatchery (Specify) _____
Test Organism Age (days) <1
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through _ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 8/30-31/21 0945-0945
Day 1 8/31-9/ 1/21 0945-0945
Samples received by laboratory: 9/ 1 & 3/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 8/31/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes__ No X
Control Mortality: 0% ___ ≤10% X >10% (specify) _
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No_

Reference Toxicity Test Summary:

Test Starting Date: 8/ 2/21 Completion Date: 8/ 4/21
Test Organism: Ceriodaphnia dubia Other (specify): ____
Test Organism Age (days) <1 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 2053 95% CL: 1829-2304
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 1726+307
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes X No

ARI Reference Test ID No.: 08-02-21-01 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

Did not receive 2nd sample in testing period due to weather delays during shipping. Test was limited to non-renewal.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 5 | 10 |
| 6.25 | 0 | 5 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 0 | 5 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 5 | 10 |
| 6.25 | 5 | 5 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 0 | 0 |
| 100 | 5 | 5 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 08-30-21-08).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 25.3 | 26.0 | - | 26.0 |
| 6.25 | 25.4 | 26.2 | - | 26.0 |
| 25 | 25.5 | 26.1 | - | 26.0 |
| 100 | 25.6 | 26.0 | - | 26.0 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 08-30-21-08).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 7.91 | 7.4 | 256 | 83 | 105 |
| 6.25 | 8.00 | 7.5 | 260 | 92 | 101 |
| 25 | 7.98 | 7.6 | 283 | 97 | 105 |
| 100 | 7.99 | 8.5 | 366 | 97 | 109 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | - | - |
| 6.25 | - | - |
| 25 | - | - |
| 100 | - | - |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | - | - | - | - | - |
| 6.25 | - | - | - | - | - |
| 25 | - | - | - | - | - |
| 100 | - | - | - | - | - |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.04 | 8.0 |
| 6.25 | 8.05 | 8.0 |
| 25 | 8.04 | 7.9 |
| 100 | 8.09 | 8.0 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

**TEST SOLUTION PREPARATION CHART**

Compound: KAPL Test ID #: 08-30-21-02,-08

Date Sample Obtained: ~~9/1/21~~ 9/1-3/21 Sample Handling: Chilled

Physical State: Liquid Color: Tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: MM Date: 9/1/21

STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: MM Date: 9/1/21

TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | MM | 9/1/21 |
| 6.25 | 125 | ↓ | ↓ | ↓ |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

***Aqua*TOX *Research, Inc.*,** 1201 East Fayette Street, Syracuse, NY 13210

* Day 2 sample arrived late due to shipping delays

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 9/1/21 Investigator: M. Muller Page 1 of 2

Test ID #: 08-30-21-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 2:30pm 9/1/21 CL

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 9/2/21 | 9/3/21 | | | | | |
| | | | 24 | 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 | 1 | | | | | |
| C | | | 1 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 6.25 | 125 | 0(1D) | 1 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | | | 0 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 12.5 | 250 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | | | 0 | 0 | | | | | |
| L | | | 0 | 0 | | | | | |
| Investigator Initials: | | | CL | CB | | | | | |
| Time: | | | 2:10pm | 1:45pm | | | | | |

a

b

c

d

e

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 9/1/21 Investigator: M. Miller Page 2 of 2

Test ID #: 08-30-31-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 2:30pm 9/1/21 CL

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 9/2/21 | 9/3/21 | | | | | | |
| | | | 24 | 48 | | | | | | |
| M | 25 | 500 | 0 | 0 | | | | | | |
| N | | | 0 | 0 | | | | | | |
| O | | | 0 | 0 | | | | | | |
| P | | | 0 | 0 | | | | | | |
| Q | 50 | 1000 | 0 | 0 | | | | | | |
| R | | | 0 | 0 | | | | | | |
| S | | | 0 | 0 | | | | | | |
| T | | | 0 | 0 | | | | | | |
| U | 100 | 2000 | 0*(10) | 1 | | | | | | |
| V | | | 0 | 0 | | | | | | |
| W | | | 0 | 0 | | | | | | |
| X | | | 0 | 0 | | | | | | |
| Investigator Initials: | | | CL* | [illegible] | | | | | | |
| Time: | | | 2:10pm | 1:45pm | | | | | | |

a
b
c
d
e

## TOXICITY TEST CHEMISTRY

Test ID #: 08-30-21-08 Species: Ceriodaphnia dubia

Test Material: KAPL Page 1 of 1

| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 25.3 | 7.4 | 7.91 | 256 | 26.0 | | | |
| E-H | 6.25 | 25.4 | 7.5 | 8.00 | 260 | 26.2 | | | |
| M-P | 25 | 25.5 | 7.6 | 7.98 | 283 | 26.1 | | | |
| U-X | 100 | 25.6 | 8.5 | 7.99 | 366 | 26.0 | | | |
| Tech Initials | | CL | VS | VS | VS | CL | JB | JB | JB |
| Date | | 9/1/21 | 9/1/21 | 9/1/21 | 9/1/21 | 9/2/21 | 9/2/21 | 9/2/21 | 9/2/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | | | | | 26.0 | 8.0 | 8.04 | |
| E-H | 6.25 | | | | | 26.0 | 8.0 | 8.05 | |
| M-P | 25 | | | | | 26.0 | 7.9 | 8.04 | |
| U-X | 100 | | | | | 26.0 | 8.0 | 8.09 | |
| Tech Initials | | JB | JB | JB | JB | JB | JB | JB | JB |
| Date | | 9/2/21 | 9/2/21 | 9/2/21 | 9/2/21 | 9/3/21 | 9/3/21 | 9/3/21 | 9/3/21 |

* Day 2 Sample did not arrive due to weather delays in Shipping.

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 08-30-21-07,-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (1.8) | (0.023) | (50,000) | (25) | = 83 | 0 | VS 9/1/21 |
| | 6.25 | (2.0) | ( ↓ ) | (50,000) | ( ↓ ) | = 92 | ↓ | ↓ |
| | 25 | (2.1) | ( ↓ ) | (50,000) | ( ↓ ) | = 97 | ↓ | ↓ |
| | 100 | (2.1) | ( ↓ ) | (50,000) | ( ↓ ) | = 97 | ↓ | ↓ |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | 0 | ( ) | ( ) | (50,000) | (25) | = | 24 | VS 9/2/21 |
| | 6.25 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | 25 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | 100 | ( ) | ( ) | (50,000) | ( ) | = | / | ↓ |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |
| | | ( ) | ( ) | (50,000) | ( ) | = | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 08-30-21-07-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | | Normality (EDTA) | | Constant | | Sample Volume (mls) | | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | (25) | · | (0.021) | · | (50,000) | / | (25) | = | 105 | 0 | VS 9/1/21 |
| | 6.25 | (24) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 101 | ↓ | ↓ |
| | 25 | (25) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 105 | ↓ | ↓ |
| | 100 | (26) | · | ( ↓ ) | · | (50,000) | / | ( ↓ ) | = | 109 | ↓ | ↓ |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | 0 | ( ) | · | ( ) | · | (50,000) | / | (25) | = | | 24 | VS 9/2/21 |
| | 6.25 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | ↓ |
| | 25 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | 100 | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | ↓ |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |
| | | ( ) | · | ( ) | · | (50,000) | / | ( ) | = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event ___

Start Time Sample Collection: 0945  End Time Sample Collection: 0945
Start Date Sample Collection: 8/31/21  End Date Sample Collection: 8/31/21
Effluent Sample Collected by: Michael Wilson  Date: ___

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 8/31/21
Receiving Water Collected by: Michael Wilson  Date: 8/31/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | 8/31/21 | 4:00 | [signature] |
| Relinquished By | Date | Time | Received By |
| [signature] | 9/1/21 | 11:15am | C. Lawrence |

Sample Temp on Arrival: <1°C  Recorded by: C. Lawrence

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F D'Onofrio  Date: 9/3/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER # 21083107 3

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0945  End Time Sample Collection: 0945
Start Date Sample Collection: 8/31/21  End Date Sample Collection: 9/1/21
Effluent Sample Collected by: Michael Wilson  Date: 9/1/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 9/1/21
Receiving Water Collected by: Michael Wilson  Date: 9/1/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| [signature] | | | |
| Relinquished By | Date | Time | Received By |
| FedEx | 9/3/21 | 10:00am | L Pavon |

Sample Temp on Arrival: 10.3°C  Recorded by: L Pavon

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty  Date: 9/3/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #
2108 31086

Adirondack Environmental Services Inc.®
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

# TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 68.0 | = | 71.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.69 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.006 | = | 0.009 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-10-11 11:17 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 75.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.2 | = | 1.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 4.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.004 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-10-11 11:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2600.0 | = | 3800.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.8 | = | 3.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-28 12:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-27 12:15 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.5 | = | 1.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-28 12:25 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 24000.0 | = | 24000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.5 | = | 1.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-28 12:14 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-27 12:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 210000.0 | = | 210000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 27.0 | = | 27.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 18.0 | = | 18.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-27 12:21 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 300000.0 | = | 300000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 7.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-09-28 12:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/21 to 09/30/21** | **DMR Due Date:** | **10/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.08 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-10-11 11:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-10-25 11:15 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 10/31/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 17.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.011 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional samples were collected throughout the month of October to support the continued investigation for the July Net-TSS non-compliance events at Outfall 002. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-11-01 14:12 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 10/31/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 65.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 19.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.6 | = | 2.9 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.016 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 150.0 | = | 190.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-11-03 13:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 10/31/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 62.0 | = | 66.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.27 | = | 0.29 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.012 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.003 | = | 0.014 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-11-03 13:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 10/31/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 65.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.18 | = | 0.22 | 03 - MGD | | | | | | | | | 99/99 - Continuous | ES - ESTIMA |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 23.0 | = | 23.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.011 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.007 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

On 10/3/21, an alternative method was used to estimate daily flow at Outfall 03D as a result of an equipment failure. A Report of Noncompliance Event form has been completed for this event (see attached). Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| Outfall03D_October2021_RONE.pdf | pdf | 554198.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2021-11-19 13:08 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, Regional Water Engineer **DEC Region:** 4

***Report Type:*** ___ *5 Day* ___ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* X *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 10/3/2021 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 03D

**Description of noncompliance(s) and cause(s):** The Outfall 03D flow data controller stopped recording flow data on 10/3/21. Investigation revealed that there was a planned electrical shutdown for portions of the Lower Level facility that day. During this shutdown, the communication between the outfall monitoring equipment and the device recording the information was interrupted. No alternate power source for the impacted Night Alarm System (NAS) network switch was identified as being needed during initial shutdown protocol. However, the Outfall 03D system was recently converted to ethernet, therefore without adequate back up power, the flow data was not stored. This loss of data was discovered by Knolls personnel when performing the review of Outfall 03D's continuous flow monitoring data for the October DMR.

**Has event ceased?** Yes **If so, when?** 10/4/2021 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 10/3/2021, 12:00 am **End date, time of event:** 10/4/2021 12:00 am

**Date, time oral notification made to DEC?** 11/2/2021, 4:00 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Upon discovery of the issue, Knolls personnel tried to recover the lost flow data but were unable to do so. Knolls Environmental directed the river water operator to manually estimate the flow data for 10/3/21 per guidance received from NYSDEC during a similar issue for Outfall 002 in June 2020.

**Preventive (long term) corrective actions:** Following discovery, a meeting was held with all applicable stakeholders to review the event, its causes, and lessons learned. Knolls personnel are updating site electrical shutdown lessons learned to document the need to provide temporary power to the NAS network switch. In addition, a local instruction incorporating this learning is being generated for Lower Level test facility engineers to use when preparing for electrical shutdowns with the potential to impact test facilities and monitoring equipment.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event?

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 11-15-2021

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

x Erica Myers

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/21 to 10/31/21** | **DMR Due Date:** | **11/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-11-01 14:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-11-23 20:34 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/21 to 11/30/21** | **DMR Due Date:** | **12/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 8.4 | = | 16.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.011 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed offline on 11/16/21. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-12-13 12:45 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-12-23 10:52 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/21 to 11/30/21** | **DMR Due Date:** | **12/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 46.0 | = | 54.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 19.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 2.4 | = | 3.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.1 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 290.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed offline on 11/16/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-12-13 12:46 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-12-23 10:52 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/21 to 11/30/21** | **DMR Due Date:** | **12/28/21** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 52.0 | = | 57.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.25 | = | 0.26 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.5 | = | 1.5 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.002 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

***Comments***

The copper ion generator was placed offline on 11/16/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-12-13 12:47 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-12-23 10:52 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/21 to 11/30/21** | **DMR Due Date:** | **12/28/21** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 46.0 | = | 53.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 0.17 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.003 | = | 0.004 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.001 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed offline on 11/16/21. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-12-13 12:47 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-12-23 10:52 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/21 to 11/30/21** | **DMR Due Date:** | **12/28/21** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was placed offline on 11/16/21. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2021-12-13 12:48 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2021-12-23 10:52 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 6.9 | = | 15.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:03 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 39.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.9 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 31.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 5.1 | = | 16.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 280.0 | = | 370.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KL2021WTCReport.pdf | pdf | 768381.0 |
| KL2021BMPCertification.pdf | pdf | 694973.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2022-01-27 07:59 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# State Pollutant Discharge Elimination System (SPDES)
# BEST MANAGEMENT PRACTICES (BMP) PLAN
# Permit Number: NY0005851

## *KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY*
## 2021

**Name of Facility**: Knolls Atomic Power Laboratory – Knolls Laboratory

**Location:** 2401 River Road
Niskayuna, NY 12309

**Owner:** U.S. Department of Energy
Naval Reactors Laboratory Field Office
P.O. Box 1069
Schenectady, New York 12301-1069

**Operator:** Fluor Marine Propulsion, LLC
P.O. Box 1072
Schenectady, New York 12301-1072

**Contact:** Program Manager
Environment, Safety, and Health
Naval Reactors Laboratory Field Office
(518) 395-6366

**This Section for Annual Review Documentation Only**
**Submit with December DMR**

X Annual Review is Complete

___ No Revisions Necessary

X Minor Revisions Made and List of Changes Attached

___ Major Revision Made and BMP will be submitted to NYSDEC within 30 days

**CERTIFICATION STATEMENT**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Erica Myers
Signature of Principal Executive Officer or Authorized Agent

1-12-2022
Date

| Knolls Laboratory - SPDES Permit No. NY0005851 Best Management Practices (BMP) Plan BMP-12 | |
|---|---|
| Date: 12/31/2021 | |
| **Section** | **Change Summary** |
| GENERAL | General formatting changes and minor editorial (wording /phrasing) changes were made throughout the entire document. Updated cover page and footnotes to reflect new revision (BMP-12) and revision date (December 2021). |
| 13. SPILL PREVENTION & RESPONSE | Added subsection "Offsite Discharges to Knolls Laboratory" to document procedure for responding to offsite discharges (e.g. Town of Niskayuna) to the Knolls Lab that have the potential to impact SPDES permit compliance at Outfalls 004 and 006. The addition of this subsection was in response to the May 2021 SPDES Inspection Report issued by NYSDEC Region 4 (James Malcolm). |
| | |

**New York State Department of Environmental Conservation**
**Division of Water**
**SPDES Permit - WTC Annual Report Form** (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2021 |
|---|
| Page 1 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Copper | MacroTech | 12/14/2000 | 0.1 | 0.4 | 002, 03B, 03D | | |
| Treatment J-663 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.3 | 6.2 | 002 | | |
| Treatment J-665 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.3 | 8.8 | 002 | | |
| Treatment J-669 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.3 | 8.8 | 002 | | |
| Treatment 52 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3 | 10 | 002 | | |
| Treatment 63 | I&C Clean Metal Heat Transfer | 8/9/2006 | 0.01 | 0.6 | 002 | | |
| Boiler Treat FeD | Aqua-Vize | 8/9/2006 | 2.1 | 5.6 | 002 | | |
| Boiler Treat CA-M | Aqua-Vize | 8/9/2006 | 5.8 | 15 | 002 | | |
| PAS108AT | Evapco | 7/2/2018 | 0 | 0 | 002 | | (1) |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)* (1) PAS108AT was not used in 2021.

| Name: Erica Myers | Title: ESH Director | Phone: (518) 395-7167 |
|---|---|---|
| Signature: Erica Myers | Date: 1-18-2022 | Email: erica.myers@unnpp.gov |

**New York State Department of Environmental Conservation**
**Division of Water**
**SPDES Permit - WTC Annual Report Form** (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2021 |
|---|
| Page 2 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Tower Treat 1200A | Aqua-Vize | 8/9/2006 | 5.7 | 14 | 002 | | |
| Surchlor | Surpass Chemical Co. | 8/9/2006 | 2.8 | 10 | 002 | | |
| Bromicide Granules | BWA Water Additives | 7/2/2018 | 0.005 | 0.07 | 002 | | (2) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)* (2) The maximum daily usage value (pounds/day) for bromicide is based on operating in accordance with the Installation, Operations and Maintenance Manual. This manual states that the maximum allowable weight of bromicide granules added to the cooling tower biocide feeder disperses over a thirty day period, and that the biocide feeder limits the bromicide granules exposure to the feed water providing a controlled application and release of pesticide.

| Name: Erica Myers | Title: ESH Director | Phone: (518) 395-7167 |
|---|---|---|
| Signature: Erica Myers | Date: 1-18-2022 | Email: erica.myers@unnpp.gov |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-T**<br>WET TESTING ACTION LEVELS | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH-Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 61425 | **Toxicity [acute], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 1.5 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61426 | **Toxicity [chronic], Ceriodaphnia dubia** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 15.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61427 | **Toxicity [acute], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 0.3 | 2F - tox acute | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 10.0 MAXIMUM | 2F - tox acute | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 61428 | **Toxicity [chronic], Pimephales promelas [Fathead Minnow]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | = | 3.0 | 2G - tox chronic | 0 | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Permit Req. | | | | | | | | | | <= | 69.0 MAXIMUM | 2G - tox chronic | | 01/90 - Quarterly | 24 - COMP24 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KnollsSPDESWholeEffluentToxicityTesting4thQtrReport2021.pdf | pdf | 1467210.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | MARTINTI |
| Name: | Tiana Martinez |
| E-Mail: | tiana.martinez@nrp.doe.gov |
| Date/Time: | 2022-02-27 12:53 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 18:28 (Time Zone: -05:00) |

**DEPARTMENT OF ENERGY**
NAVAL REACTORS LABORATORY FIELD OFFICE
POST OFFICE BOX 1069
SCHENECTADY, NEW YORK 12301-1069

NRLFO:AMO-S:ESH:22-032
26 February 2022

Sent via Email – No Hard Copy to Follow

New York State
Department of Environmental Conservation
Toxicity Testing Unit
Bureau of Watershed Assessment and Management
625 Broadway – Fourth floor
Albany, New York 12233-3502

Dear Sir or Madam:

KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY: STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM - WHOLE EFFLUENT TOXICITY TESTING: 2021 FOURTH QUARTER REPORT

Reference: (a) New York State Department of Environmental Conservation, State Pollutant Discharge Elimination System (SPDES) Discharge Permit, Permit Number NY0005851; Effective August 12, 2020

This letter provides the Knolls Atomic Power Laboratory (KAPL) - Knolls Laboratory Whole Effluent Toxicity testing report as required by Reference (a). The enclosed report is for the fourth quarter of 2021 (October-December). Test results show that there is no significant toxicity in the Knolls Laboratory effluent at Outfall 002.

Should you have any questions or require additional information, please contact the undersigned at (518) 395-6366.

Sincerely,

Program Manager
Environment, Safety, and Health

Enclosure

Electronic copy to:
James Malcolm, NYSDEC

**Knolls Atomic Power Laboratory**
**SPDES Permit No. NY0005851**

**Whole Effluent Toxicity Testing: 2021 Fourth Quarter Report**

## CERTIFICATION STATEMENT

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

E. Myers
Director, ESH

| Signature | Date |
|---|---|
| Eric Myers | 2-16-2022 |

Daily Average Flows During Sample Collection (Outfall 002)

| Date | Average Flow (gpm) |
|---|---|
| 11/29/21 | 1,334.1 |
| 11/30/21 | 1,331.7 |

Adirondack Environmental Services, Inc.
**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

December 21, 2021

Victoria Cullinan
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301

TEL: (518) 395-5329

Work Order No: 211130019
PO#: 140543

RE: Wastewater
Quarterly Toxicity

Dear Victoria Cullinan:

Attached is the report for samples that were subcontracted for analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709
AIHA#: 100307

Christopher Hess
QA Manager

# ACUTE TOXICITY TEST REPORT FORM
# (FATHEAD MINNOW, PIMEPHALES PROMELAS)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): M. Muller, L. Pavord, and G. Boleslav

Approved By: Francis G. Doherty December 15, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Pimephales promelas ARI Test ID No. 11-29-21-07
Test Starting Date: 12/ 1/21 Completion Date: 12/ 3/21

48-hr $LC_{50}$ > 100% (0% mortality in 100% effluent)
$TU_a = 100 / LC_{50} = 100/>100 = <1$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = <1.0 \times 10 = < 10$

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test Type | 48-Hour Static Renewal |
| Number of Sample Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 2 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.65 |

Test Organism Source:

Test Species Pimephales promelas
Cultured (Check) __ Other (Specify) _____
Commercial Hatchery (Specify) Aquatox, Inc.
Test Organism Age (days) 2
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through __ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 11/29-30/21 0900-0900
Day 1 11/30-12/ 1/21 0900-0900
Samples received by laboratory: 12/ 1 & 2/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 11/30/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes_ No X
Control Mortality: 0% X ≤10% ___ >10% (specify) __
Mean temp within ±2°C of the test temperature? Yes X No_
Dissolved oxygen levels always >40% saturation? Yes X No__

Reference Toxicity Test Summary:

Test Starting Date: 12/ 6/21 Completion Date: 12/ 8/21
Test Organism: Pimephales promelas Other (specify): ____
Test Organism Age (days)7 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 9,577 95% CL: 8,934- 10,265
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 8283+517
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes_ No X

ARI Reference Test ID No.: 12-06-21-01 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 5 | 5 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $LC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[b] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 0 |
| 50 | 5 | 5 |
| 100 | 0 | 0 |
| 95% LCL | NC | NC |
| $EC_{50}$ | >100 | >100 |
| 95% UCL | NC | NC |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

Table 1. Temperature levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 11-29-21-07).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 20.7 | 20.3 | 20.8 | 20.5 |
| 6.25 | 20.8 | 20.3 | 20.9 | 20.4 |
| 25 | 20.7 | 20.2 | 20.9 | 20.4 |
| 100 | 20.8 | 20.2 | 21.0 | 20.4 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with fathead minnows, Pimephales promelas, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 11-29-21-07).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 7.88 | 8.5 | 308 | 92 | 126 |
| 6.25 | 7.95 | 8.6 | 316 | 92 | 126 |
| 25 | 7.97 | 8.6 | 336 | 97 | 130 |
| 100 | 7.98 | 8.9 | 429 | 101 | 134 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 7.94 | 8.5 |
| 6.25 | 8.04 | 8.4 |
| 25 | 8.04 | 8.4 |
| 100 | 8.03 | 8.4 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.11 | 7.6 | 303 | 92 | 118 |
| 6.25 | 8.05 | 7.9 | 308 | 101 | 126 |
| 25 | 8.06 | 8.1 | 320 | 97 | 126 |
| 100 | 8.12 | 8.8 | 383 | 97 | 130 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 7.91 | 8.4 |
| 6.25 | 7.95 | 8.3 |
| 25 | 7.96 | 8.3 |
| 100 | 7.99 | 8.3 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

## TEST SOLUTION PREPARATION CHART

Compound: KAPL Test ID #: 11-29-21-07,-08

Date Sample Obtained: 12/1+2/21 Sample Handling: Chilled

Physical State: Liquid Color: Light tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: LP Date: 12/1/21

### STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: LP Date: 12/1/21

### TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | LP | 12/1/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 12/1/21 Investigator: L. Pavord Page 1 of 1

Test ID #: 11-29-21-07 Chemical: KAPL

Test Species: Pimephales promelas Source: Aquatox, Inc.

Test Organism Lot #: PP1121/658 # Organisms/Vessel: 10

Volume Diluent/Vessel: ~600 ml Time Start Test: 12/1/21 3:20pm LP

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 12/2/21 | 12/3/21 | | | | | | |
| | | | 24 | 48 | | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | | |
| B | | | 0 | 0 | | | | | | |
| C | 6.25 | 125 | 0 | 0 | | | | | | |
| D | | | 0 | 0 | | | | | | |
| E | 12.5 | 250 | 0 | 0 | | | | | | |
| F | | | 0 | 0 | | | | | | |
| G | 25 | 500 | 0 | 0 | | | | | | |
| H | | | 0 | 0 | | | | | | |
| I | 50 | 1000 | 0 | 0 | | | | | | |
| J | | | 1 | 0 | | | | | | |
| K | 100 | 2000 | 0 | 0 | | | | | | |
| L | | | 0 | 0 | | | | | | |
| Investigator Initials: | | | LP | LP | | | | | | |
| Time: | | | 12:10pm | 2:45pm | | | | | | |

a Fish Hatched 11/29/21 2 Days Old

b

c

d

e

## TOXICITY TEST CHEMISTRY

Test ID #: 1129-21-07 Species: Pimephales promelas

Test Material: KAPL Page 1 of 1

| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 20.7 | 8.5 | 7.88 | 308 | 20.3 | 8.5 | 7.94 | |
| C-D | 6.25 | 20.8 | 8.6 | 7.95 | 316 | 20.3 | 8.4 | 8.04 | |
| G-H | 25 | 20.7 | 8.6 | 7.97 | 336 | 20.2 | 8.4 | 8.04 | |
| K-L | 100 | 20.8 | 8.9 | 7.98 | 429 | 20.2 | 8.4 | 8.03 | |
| Tech Initials | | LP | MM | MM | MM | LP | LP | LP | LP |
| Date | | 12/1/21 | 12/1/21 | 12/1/21 | 12/1/21 | 12/2/21 | 12/2/21 | ~~12/2/21~~ 12/2/21 | 12/2/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-B | 0 | 20.8 | 7.6 | 8.11 | 303 | 20.5 | 8.4 | 7.91 | |
| C-D | 6.25 | 20.9 | 7.9 | 8.05 | 308 | 20.4 | 8.3 | 7.95 | |
| G-H | 25 | 20.9 | 8.1 | 8.06 | 320 | 20.4 | 8.3 | 7.96 | |
| K-L | 100 | 21.0 | 8.8 | 8.12 | 333 | 20.4 | 8.3 | 7.99 | |
| Tech Initials | | MM | OB | OB | OB | LP | MM | MM | OB |
| Date | | 12/2/21 | 12/2/21 | 12/2/21 | 12/2/21 | 12/3/21 | 12/3/21 | 12/3/21 | 12/3/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 1129-21-07, -08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.1) · (0.022) · | (50,000) / | ( 25 ) = | | 92 | 0 | mm 12/1/21 |
| | 6.25 | (2.1) · ( ) · | (50,000) / | ( ) = | | 92 | ↓ | ↓ |
| | 25 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | 100 | (2.3) · ( ) · | (50,000) / | ( ) = | | 101 | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | 0 | (2.1) · (0.021) · | (50,000) / | ( 25 ) = | | 92 | 24 | JK 12/2/21 |
| | 6.25 | (2.3) · ( ) · | (50,000) / | ( ) = | | 101 | ↓ | ↓ |
| | 25 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | 100 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 11-29-21-07,-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (3.0) · | (0.021) · | (50,000) / | ( 25 ) = | 126 | 0 | mm 12/1/21 |
| | 6.25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 25 | (3.1) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 130 | ↓ | ↓ |
| | 100 | (3.2) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 134 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (2.8) · | (0.021) · | (50,000) / | ( 25 ) = | 118 | 24 | DB 12/2/21 |
| | 6.25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 100 | (3.1) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 130 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0900  End Time Sample Collection: 0900
Start Date Sample Collection: 11/29/21  End Date Sample Collection: 11/30/21
Effluent Sample Collected by: Michael Wilsey  Date: 11/30/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 11/30/21
Receiving Water Collected by: Michael Wilsey  Date: 11/30/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | 11/30/21 | | Ryan Farr |
| Relinquished By | Date | Time | Received By |
| Ryan Farr | 12/1/21 | 11:21 | L. Pavord |

Sample Temp on Arrival: <1.0°C  Recorded by: L. Pavord

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F DeRenty  Date: 12/6/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #
21130019

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0900  End Time Sample Collection: 0900
Start Date Sample Collection: 11/30/21  End Date Sample Collection: 12/1/21
Effluent Sample Collected by: Michael Wilson  Date: 12/1/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 11/30/21
Receiving Water Collected by: Michael Wilson  Date: 11/30/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | 12/1/21 | 7:30 | Thyra Zwehn |
| Relinquished By | Date | Time | Received By |
| Thyra Zwehn | 12/2/21 | 10:47 | M. Muller |

Sample Temp on Arrival: <10°C  Recorded by: M. Muller

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty  Date: 12/6/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #

# ACUTE TOXICITY TEST REPORT FORM
# (FRESHWATER INVERTEBRATE, CERIODAPHNIA DUBIA)

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851
P.O. Box 1072
Schenectady, NY 12301
Facility Contact: Michael Wilsey (Adirondack Environmental)

Laboratory Name/Location: AquaTox Research, Inc.
1201 East Fayette Street
Syracuse, NY 13210
Investigator(s): M. Muller, G. Boleslav, and L. Pavord

Approved By: Francis G Doherty December 15, 2021
Francis G. Doherty, Ph.D. Date
Aquatic Toxicologist

Effluent Toxicity Test Summary:

Test Organism: Ceriodaphnia dubia ARI Test ID No. 11-29-21-08
Test Starting Date: 12/ 1/21 Completion Date: 12/ 3/21

48-hr $LC_{50}$ = 68.3%
$TU_a = 100 / LC_{50} = 100/68.3 = 1.46$

The experimental $TU_a$ is less than the Monitoring Action Level of 10 listed in the permit.

Estimated $TU_c = TU_a \times 10 = 1.46 \times 10 =$ 14.6

The estimated $TU_c$ is less than the Monitoring Action Level of 69 listed in the permit.

These results pertain exclusively to the samples submitted for testing as identified by the Collection Date/Formula/Lot Number provided with the test samples. Results are based on a starting concentration of 100% as the sample provided.

**AquaTox Research, Inc., adheres to the current industry standards in the performance of its work as set out in published guidelines. If we err, omit, or otherwise do not perform in accordance with the terms of the original proposal, we will gladly re-do the work at no additional cost, or will, at the client's option, refund fees charged for the work. The client agrees that AquaTox Research shall not be liable for damages to anyone arising in contract or tort actions; nor for any civil penalties arising under state or federal regulation; nor any other liability of whatever kind or nature, except for the repeat of work performed or refund of fees charged. In no event shall AquaTox Research be liable for any incidental or consequential damages. The client hereby waives the WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

Sample Toxicity Test Conditions:

| | |
|---|---|
| Test & Type: | 48-Hour Static Renewal |
| Number of Effluent Treatments | 5 |
| Number of Control Treatments | 1 |
| Number of Replicates per treatment | 4 |
| Number of Test Organisms/Test Concentration | 20 |
| Volume of Test Chambers (Liters) | ~0.015 |

Test Organism Source:

Test Species Ceriodaphnia dubia
Cultured (Check) X Other (Specify) _____
Commercial Hatchery (Specify) _____
Test Organism Age (days) <1
Test Organism Acclimation Period (days) 0

Sample Tested:

Sampling Location: Outfall 002
Type of Sample: Grab ___ 24-hr composite X
Flow-through _ Composite of 48 grab samples
Sample Collection Dates/Time: Day 0 11/29-30/21 0900-0900
Day 1 11/30-12/ 1/21 0900-0900
Samples received by laboratory: 12/ 1 & 2/21

Dilution Water: Natural (source) Mohawk River (Collection Date) 11/30/21

Quality Assurance Summary:

Sample dechlorinated prior to test soln prep? Yes__ No X
Control Mortality: 0% X ≤10%__ >10% (specify) _
Mean temp within ±2°C of the test temperature? Yes X No__
Dissolved oxygen levels always >40% saturation? Yes X No__

Reference Toxicity Test Summary:

Test Starting Date: 11/29/21 Completion Date: 12/ 1/21
Test Organism: Ceriodaphnia dubia Other (specify): ____
Test Organism Age (days) <1 Reference Toxicant: NaCl

48-hr $LC_{50}$ (mg/L): 1319 95% CL: 1215-1431
Cumulative mean $LC_{50}$ (±SD) for previous 20 tests: 1780+322
Current $LC_{50}$ within ±2SD of mean $LC_{50}$? Yes X No

ARI Reference Test ID No.: 11-29-21-01 ARI Notebook No.: File

Methodology:

Testing conducted in accordance with guidelines appearing in:

U.S. Environmental Protection Agency. 2002. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. 5th Ed. EPA-821-R-02-012. Office of Research and Development, Washington D.C.

And

NYS DEC. 2007. Division of Water Technical and Operational Guidance Series (TOGS), 1.3.2., Acute and Chronic Toxicity Testing in the SPDES Program Guidance

appearing at: http://www.dec.ny.gov/docs/water_pdf/togs132.pdf

Deviations from Standard Methodology:

None.

Percent Survival Data:

| Sample[a] Conc. (%) | Cumulative Mortality (%) | |
|---|---|---|
| | 24[b] HR | 48[c] HR |
| 0 | 0 | 0 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 10 |
| 50 | 5 | 15 |
| 100 | 30 | 80 |
| 95% LCL | NC | 56.4 |
| $LC_{50}$ | >100 | 68.3 |
| 95% UCL | NC | 82.7 |

| Sample[a] Conc. (%) | Cumulative Effects (%) | |
|---|---|---|
| | 24[b] HR | 48[c] HR |
| 0 | 5 | 5 |
| 6.25 | 0 | 0 |
| 12.5 | 0 | 0 |
| 25 | 0 | 10 |
| 50 | 10 | 15 |
| 100 | 40 | 85 |
| 95% LCL | NC | 54.9 |
| $EC_{50}$ | >100 | 66.0 |
| 95% UCL | NC | 79.2 |

[a]$LC_{50}$=median lethal concentration, $EC_{50}$=median effective concentration, LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable.

[b]$LC_{50}$, $EC_{50}$, and 95% confidence limits not calculable.

[c]$LC_{50}$, $EC_{50}$, and 95% confidence limits calculated by the non-parametric Spearman-Karber procedure.

Table 1. Temperature levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 11-29-21-08).

| Effluent Conc. (%) | Temperature (°C) | | | |
|---|---|---|---|---|
| | 0 HRS FRSH | 24 HRS AGD | 24 HRS FRSH | 48 HRS AGD |
| 0 | 24.4 | 25.6 | 25.1 | 24.2 |
| 6.25 | 24.5 | 25.5 | 25.3 | 24.7 |
| 25 | 24.6 | 25.4 | 25.7 | 25.1 |
| 100 | 24.9 | 25.1 | 25.8 | 24.2 |

Table 2. Water chemistry parameter levels of test solutions in an acute toxicity test with ceriodaphnids, Ceriodaphnia dubia, exposed to effluent from the KAPL facility in Schenectady, NY (ARI Test ID No. 11-29-21-08).

0 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 7.88 | 8.5 | 308 | 92 | 126 |
| 6.25 | 7.95 | 8.6 | 316 | 92 | 126 |
| 25 | 7.97 | 8.6 | 336 | 97 | 130 |
| 100 | 7.98 | 8.9 | 429 | 101 | 134 |

24 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 7.95 | 7.6 |
| 6.25 | 8.02 | 7.6 |
| 25 | 8.08 | 7.6 |
| 100 | 8.12 | 7.7 |

24 Hours Fresh

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as $CaCO_3$) | Hardness (mg/l as $CaCO_3$) |
|---|---|---|---|---|---|
| 0 | 8.11 | 7.6 | 303 | 92 | 118 |
| 6.25 | 8.05 | 7.9 | 308 | 101 | 126 |
| 25 | 8.06 | 8.1 | 320 | 97 | 126 |
| 100 | 8.12 | 8.8 | 383 | 97 | 130 |

48 Hours Aged

| Test Conc. (%) | pH | Dissolved Oxygen (ppm) |
|---|---|---|
| 0 | 8.08 | 8.3 |
| 6.25 | 8.12 | 8.2 |
| 25 | 8.14 | 8.2 |
| 100 | 8.16 | 8.3 |

**APPENDIX A**

RAW BENCH SHEETS

and

CHAINS-OF-CUSTODY

## TEST SOLUTION PREPARATION CHART

Compound: KAPL Test ID #: 11-29-21-07,-08

Date Sample Obtained: 12/1+2/21 Sample Handling: Chilled

Physical State: Liquid Color: Light tan

Precipitate Present? Yes Test Type: SRA

Tech Init.: LP Date: 12/1/21

### STOCK SOLUTION PREPARATION

Desired Weight of Sample: NA Actual Weight of Sample: NA

Stock Soln. Solvent: NA

Stock Soln. Volume: NA Conc. of Sample in Solvent: 100%

Tech Init.: LP Date: 12/1/21

### TEST SOLUTION PREPARATION

$$\frac{\text{Testing Concentration Desired}}{\text{Stock Solution Concentration}} = \frac{\text{Volume of Stock Solution Desired}}{\text{Total Volume of Test Solution}}$$

Test Soln. Solvent: Mohawk River

| Treatment Conc. ( % ) | Stock Soln. Vol. (ml) | Total Vol. (ml) | Tech. Init. | Date |
|---|---|---|---|---|
| 0 | 0 | 2000 | LP | 12/1/21 |
| 6.25 | 125 | | | |
| 12.5 | 250 | | | |
| 25 | 500 | | | |
| 50 | 1000 | | | |
| 100 | 2000 | | | |
| | | | | |

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 12/1/21 Investigator: L. Pavard Page 1 of 2

Test ID #: 11-29-21-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 11/12/1621 1:30pm JB

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | 12/2/21 | 12/3/21 | | | | | |
| | | | 24 | 48 | | | | | |
| A | 0 | 0 | 0 | 0 | | | | | |
| B | | | 0 (1D) | 0 (1D) | | | | | |
| C | | | 0 | 0 | | | | | |
| D | | | 0 | 0 | | | | | |
| E | 6.25 | 125 | 0 | 0 | | | | | |
| F | | | 0 | 0 | | | | | |
| G | | | 0 | 0 | | | | | |
| H | | | 0 | 0 | | | | | |
| I | 12.5 | 250 | 0 | 0 | | | | | |
| J | | | 0 | 0 | | | | | |
| K | | | 0 | 0 | | | | | |
| L | | | 0 | 0 | | | | | |
| Investigator Initials: | | | LP | LP | | | | | |
| Time: | | | 3:25pm | 1:05pm | | | | | |

a

b

c

d

e

**AQUATIC TOXICITY RAW DATA SHEET**

Date: 12/1/21 Investigator: L. Pavord Page 2 of 2

Test ID #: 1129-21-08 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Volume Diluent/Vessel: ~15 ml Time Start Test: 12/1/21 1:30pm DB

| Vessel | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | 12/2/21 | 12/3/21 | | | | | | |
| | | | 24 | 48 | | | | | | |
| M | 25 | 500 | 0 | 1 | | | | | | |
| N | | | 0 | 0 | | | | | | |
| O | | | 0 | 0 | | | | | | |
| P | | | 0 | 1 | | | | | | |
| Q | 50 | 1000 | 1 | 0 | | | | | | |
| R | | | 0 | 0 | | | | | | |
| S | | | 0(1D) | 2 | | | | | | |
| T | | | 0 | 0 | | | | | | |
| U | 100 | 2000 | 1(1D) | 2(1D) | | | | | | |
| V | | | 0 | 3 | | | | | | |
| W | | | 4 | 1 | | | | | | |
| X | | | 1(1D) | 4 | | | | | | |
| Investigator Initials: | | | LP | LP | | | | | | |
| Time: | | | 3:25pm | 1:05pm | | | | | | |

a
b
c
d
e

## TOXICITY TEST CHEMISTRY

Test ID #: 11-29-21-08 Species: Ceriodaphnia dubia

Test Material: KAPL



| Test Vessel | Test Conc. ( % ) | Observation Time: 0 HRS T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 24 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 24.4 | 8.5 | 7.88 | 308 | 25.6 | 7.6 | 7.95 | |
| E-H | 6.25 | 24.5 | 8.6 | 7.95 | 316 | 25.5 | 7.6 | 8.02 | |
| M-P | 25 | 24.6 | 8.6 | 7.97 | 336 | 25.4 | 7.6 | 8.03 | |
| U-X | 100 | 24.9 | 8.9 | 7.98 | 419 | 25.1 | 7.7 | 8.12 | |
| Tech Initials | | | | | | | | | |
| Date | | 12/1/21 | 12/1/21 | 12/1/21 | 12/1/21 | 12/2/21 | 12/2/21 | 12/2/21 | 12/2/21 |

| Test Vessel | Test Conc. ( % ) | Observation Time: 24 fresh T (°C) | DO (ppm) | pH | Cond (umhos/cm) | Observation Time: 48 aged T (°C) | DO (ppm) | pH | Cond (umhos/cm) |
|---|---|---|---|---|---|---|---|---|---|
| A-D | 0 | 25.1 | 7.6 | 8.11 | 303 | 24.2 | 8.3 | 8.08 | |
| E-H | 6.25 | 25.3 | 7.7 | 8.05 | 308 | 24.7 | 8.2 | 8.12 | |
| M-P | 25 | 25.7 | 8.1 | 8.06 | 320 | 25.1 | 8.2 | 8.14 | |
| U-X | 100 | 25.8 | 8.8 | 8.12 | 353 | 24.2 | 8.3 | 8.16 | |
| Tech Initials | | | | | | | | | |
| Date | | 12/2/21 | 12/2/21 | 12/2/21 | 12/2/21 | 12/3/21 | 12/3/21 | 12/3/21 | 12/3/21 |

## CALCULATION OF SAMPLE ALKALINITY WORKSHEET

Test ID #: 1129-21-07, -08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality ($H_2SO_4$) | Constant | Sample Volume (mls) | Total Alkalinity (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (2.1) · (0.022) · | (50,000) / | ( 25 ) = | | 92 | 0 | mm 12/1/21 |
| | 6.25 | (2.1) · ( ) · | (50,000) / | ( ) = | | 92 | ↓ | ↓ |
| | 25 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | 100 | (2.3) · ( ) · | (50,000) / | ( ) = | | 101 | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | 0 | (2.1) · (0.021) · | (50,000) / | ( 25 ) = | | 92 | 24 | JK 12/2/21 |
| | 6.25 | (2.3) · ( ) · | (50,000) / | ( ) = | | 101 | ↓ | ↓ |
| | 25 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | 100 | (2.2) · ( ) · | (50,000) / | ( ) = | | 97 | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |
| | | ( ) · ( ) · | (50,000) / | ( ) = | | | | |

## CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 11-29-21-07,-08 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Vessel | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant | Sample Volume (mls) | Total Hardness (mg/L) | Exp. Time (Hrs) | Init. & Date |
|---|---|---|---|---|---|---|---|---|
| | 0 | (3.0) · | (0.021) · | (50,000) / | ( 25 ) = | 126 | 0 | mm 12/1/21 |
| | 6.25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 25 | (3.1) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 130 | ↓ | ↓ |
| | 100 | (3.2) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 134 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | 0 | (2.8) · | (0.021) · | (50,000) / | ( 25 ) = | 118 | 24 | DB 12/2/21 |
| | 6.25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 25 | (3.0) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 126 | ↓ | ↓ |
| | 100 | (3.1) · | ( ↓ ) · | (50,000) / | ( ↓ ) = | 130 | ↓ | ↓ |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |
| | | ( ) · | ( ) · | (50,000) / | ( ) = | | | |

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0900  End Time Sample Collection: 0900
Start Date Sample Collection: 11/29/21  End Date Sample Collection: 11/30/21
Effluent Sample Collected by: Michael Wilsey  Date: 11/30/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 11/30/21
Receiving Water Collected by: Michael Wilsey  Date: 11/30/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | 11/30/21 | | Ryan Farr |
| Relinquished By | Date | Time | Received By |
| Ryan Farr | 12/1/21 | 11:21 | L. Pavord |

Sample Temp on Arrival: <1.0°C  Recorded by: L. Pavord

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F DeRenty  Date: 12/6/21

NOTES: ___

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #
21130019

**EFFLUENT CHAIN OF CUSTODY RECORD**

Facility Name: KAPL - KNOLLS ATOMIC POWER LABORATORY  Permit No.: NY0005851

Effluent Sampling Location: OUTFALL 002

Type of Sample: Grab ___ If Grab, Volume of Sample Collected ___
Composite X If Composite, No. of Samples per Hour 2
or No. of Samples per Day 48
Volume of Sample Collected per Event 1 Gallon

Start Time Sample Collection: 0900  End Time Sample Collection: 0900
Start Date Sample Collection: 11/30/21  End Date Sample Collection: 12/1/21
Effluent Sample Collected by: Michael Wilson  Date: 12/1/21

Receiving Water Source: MOHAWK RIVER
Receiving Water Sampling Location: UPSTREAM - ON SITE INTAKE PUMPHOUSE
Collection Date(s): 11/30/21
Receiving Water Collected by: Michael Wilson  Date: 11/30/21

| Relinquished By | Date | Time | Received By |
|---|---|---|---|
| | 12/1/21 | 7:30 | Thyra Zwehn |
| Relinquished By | Date | Time | Received By |
| Thyra Zwehn | 12/2/21 | 10:47 | M. Muller |

Sample Temp on Arrival: <10°C  Recorded by: M. Muller

Sample Disposition: Returned to Client ___ Trashed ___ Sewered X

Disposed By: F Doherty  Date: 12/6/21

NOTES:

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210
Ph: (315) 479-1498  Email: contactus@aquatoxresearch.com

AES WORK ORDER #

Adirondack Environmental Services Inc.®
Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

# TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 45.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.31 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 3.6 | = | 3.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:06 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 0.19 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.7 | = | 3.7 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

On 12/26 and 12/27, an alternative method was used to estimate daily flow at Outfall 03D as a result of an equipment failure. A Report of Noncompliance Event form has been completed for this event (see attached). For 12/28-12/31, daily flow measurements were taken manually since the flow meter was still not functioning correctly. Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| Outfall03D-December2021-RONE.pdf | pdf | 1117216.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | david.delwiche@nrp.doe.gov |
| Name: | david delwiche |
| E-Mail: | david.delwiche@nrp.doe.gov |
| Date/Time: | 2022-01-27 16:49 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, Regional Water Engineer **DEC Region:** 4

**Report Type:** ___ *5 Day* ___ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* X *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 12/27/2021 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 03D

**Description of noncompliance(s) and cause(s):** The Outfall 03D flow data controller stopped recording flow data on the morning of 12/26/21. Investigation identified the cause to be an ultrasonic (UT) probe and cabling failure which caused an erroneous signal to the control instrument. As a result, no flow measurements were obtained on 12/27/21. This loss of data was discovered by Knolls personnel when performing the routine review of Outfalls 03D's continuous flow monitoring data on the morning of 12/28/21.

**Has event ceased?** Yes **If so, when?** 12/28/2021 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 12/26/2021 , 4:30 am **End date, time of event:** 12/28/2021 10:00 am

**Date, time oral notification made to DEC?** 12/28/2021 , 4:00 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Upon discovery of the issue, Knolls personnel tried to recover the lost flow data but were unable to do so. Knolls Environmental directed the river water operator to manually estimate the flow data for the missed time per guidance received from NYSDEC during a similar issue for Outfall 002 in June 2020. Although back online on 12/28/21, the flowmeter was not functioning correctly. Therefore, Knolls personnel began performing manual daily flow measurements. This change in sample type will be included in all applicable DMRs per guidance from the NYSDEC DMR Manual.

**Preventive (long term) corrective actions:** On 1/19/22, Knolls Engineering replaced the Outfall 03D UT probe and cabling with a radar-based probe and new cable. The new system has been calibrated and placed into service. In addition, other system components are being assessed for similar vulnerabilities.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? ☐

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 1/27/2022

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

x Erica Myers

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

| | | |
|---|---|---|
| **REGION 1**<br>Regional Water Engineer<br>NYS SUNY , Bldg. 40<br>Loop Road<br>Stony Brook, NY 11790-2356<br>Phone: 631-444-0405 Fax: 631-444-0373<br>**Counties:**<br>Nassau Suffolk | **REGION 2**<br>Regional Water Engineer<br>One Hunters Point Plaza<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Phone: 718-482-4900 Fax: 718-482-6516<br>**Counties:** Queens Bronx<br>New York Richmond Kings | **REGION 3** **<br>Regional Water Engineer<br>21 So. Putt Corners Rd<br>New Paltz, NY 12561-1696<br>Phone: 845-256-3000 Fax: 845-255-0714<br>**Counties:** Rockland Dutchess<br>Sullivan Orange Ulster<br>Putnam Westchester |
| **REGION 4**<br>Regional Water Engineer<br>1150 North Westcott Rd.<br>Schenectady, NY 12306-2014<br>Phone: 518-357-2045 Fax: 518-357-2398<br>**Counties:** Montgomery Albany<br>Otsego Rensselaer Columbia<br>Delaware Schoharie Greene<br>Schenectady | **REGION 5** **<br>Regional Water Engineer<br>Route 86, P.O. Box 296<br>Ray Brook N.Y. 12977-0296<br>Phone: 518-897-1241 Fax: 518-897-1245<br>**Counties:**<br>Clinton Hamilton Franklin<br>Essex Saratoga Warren<br>Fulton Washington | **REGION 6** **<br>Regional Water Engineer<br>Region 6 Suboffice<br>State Office Bldg.<br>207 Genesee St.<br>Utica, NY 13500<br>Phone: 315-793-2554 Fax: 315-793-2748<br>**Counties:** Lewis Jefferson<br>Herkimer Oneida St. Lawrence |
| **REGION 7**<br>Regional Water Engineer<br>615 Erie Blvd West<br>Syracuse, NY 13204-2400<br>Phone: 315-426-7506 Fax: 315-426-7402<br>**Counties:** Madison Cayuga<br>Broome Onondaga Oswego<br>Chenango Tioga Tompkins<br>Cortland | **REGION 8**<br>Regional Water Engineer<br>6274 East Avon-Lima Rd<br>Avon, NY 14414-9519<br>Phone: 585-226-2466 Fax: 585-226-2830<br>**Counties:** Orleans Genessee<br>Chemung Schuyler Seneca<br>Livingston Steuben Ontario<br>Monroe Wayne Yates | **REGION 9**<br>Regional Water Engineer<br>270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Phone: 716-851-7070 Fax: 716-851-7009<br>**Counties:** Allegany Erie<br>Cattaraugus Niagara Wyoming<br>Chautauqua |

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 8100.0 | = | 22000.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.5 | = | 5.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:05 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:06 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 470.0 | = | 1400.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.1 | = | 7.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:06 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 89000.0 | = | 89000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.7 | = | 1.7 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:04 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:04 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 210000.0 | = | 210000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.3 | = | 2.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:04 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 580000.0 | = | 580000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 14.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.4 | = | 5.4 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:05 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/21 to 12/31/21** | **DMR Due Date:** | **01/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | CULLINANVL |
| Name: | Victoria Cullinan |
| E-Mail: | victoria.cullinan@unnpp.gov |
| Date/Time: | 2022-01-17 09:07 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-01-27 17:02 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/22 to 01/31/22** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 2.9 | = | 6.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-02-11 11:43 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 09:01 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 01/31/22** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 35.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 5.6 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.8 | = | 2.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 360.0 | = | 510.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-02-11 11:43 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 09:01 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 01/31/22** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 39.0 | = | 42.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.79 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-02-15 11:31 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 09:01 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 01/31/22** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 40.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.08 | = | 0.14 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.0 | = | 4.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Only manual flow measurements were taken daily from 1/1/22 to 1/19/22 due to failure of the flow meter in late December 2021 (See Report of Noncompliance Event Form submitted with the December 2021 DMR). A new flow meter was installed and operating beginning 1/20/22. The copper ion generator is offline. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-02-16 14:21 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 09:01 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/22 to 01/31/22** | **DMR Due Date:** | **02/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH-Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator is offline.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-02-11 12:30 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-02-27 09:01 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/22 to 02/28/22** | **DMR Due Date:** | **03/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.6 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.1 | = | 22.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was offline. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-03-11 15:28 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-03-21 13:54 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/22 to 02/28/22** | **DMR Due Date:** | **03/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 48.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 2.6 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 6.3 | = | 20.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 250.0 | = | 330.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was offline. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-03-15 17:14 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-03-21 13:54 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/22 to 02/28/22** | **DMR Due Date:** | **03/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 39.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.22 | = | 0.27 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was offline. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-03-14 11:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-03-21 13:54 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/22 to 02/28/22** | **DMR Due Date:** | **03/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 519-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 43.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.11 | = | 0.14 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 5.3 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was offline. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-03-14 11:58 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-03-21 13:54 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/22 to 02/28/22** | **DMR Due Date:** | **03/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was offline. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-03-14 10:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-03-21 13:54 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.6 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 95.0 | = | 400.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:11 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 40.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 2.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 55.0 | = | 210.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 290.0 | = | 400.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:15 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 40.0 | = | 42.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.21 | = | 0.25 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.4 | = | 0.4 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 39.0 | = | 45.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.17 | = | 1.4 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:39 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 7900.0 | = | 11000.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.6 | = | 2.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 290.0 | = | 580.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.3 | = | 8.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-18 15:36 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 90000.0 | = | 90000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 230.0 | = | 230.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 15.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 17:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 86000.0 | = | 86000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 27.0 | = | 27.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 390000.0 | = | 390000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:24 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/22 to 03/31/22** | **DMR Due Date:** | **04/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-04-19 10:44 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-04-26 09:55 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/22 to 04/30/22** | **DMR Due Date:** | **05/28/22** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.7 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 8.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 18.0 | = | 35.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. The copper ion generator was off-line. Adirondack Environmental Services ELAP #10709

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-05-16 14:57 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-05-26 13:36 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 04/30/22** | **DMR Due Date:** | **05/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 47.0 | = | 53.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 8.2 | | | = | 8.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 25.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 400.0 | = | 840.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 4/5/22, requiring use of the higher pH limit for that week. The copper ion generator was off-line. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-05-17 16:57 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-05-26 13:36 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 04/30/22** | **DMR Due Date:** | **05/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.23 | = | 0.26 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 8.3 | | | = | 8.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.1 | = | 1.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 4/5/22, requiring use of the higher pH limit for that week. The copper ion generator was off-line. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-05-17 16:59 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-05-26 13:36 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 04/30/22** | **DMR Due Date:** | **05/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-6040 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 47.0 | = | 52.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.09 | = | 0.22 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 8.2 | | | = | 8.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.8 | = | 7.8 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 4/5/22, requiring use of the higher pH limit for that week. The copper ion generator was off-line. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-05-17 17:02 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-05-26 13:36 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/22 to 04/30/22** | **DMR Due Date:** | **05/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was off-line.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-05-16 14:59 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-05-26 13:36 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/22 to 05/31/22** | **DMR Due Date:** | **06/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.7 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.0 | = | 7.1 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Copper ion generator placed on line at 4PM on 5/3/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-06-17 14:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-06-27 18:04 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/22 to 05/31/22** | **DMR Due Date:** | **06/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 61.0 | = | 70.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 8.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 6.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.5 | = | 1.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | = | 6.2 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.011 | = | 0.015 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 230.0 | = | 330.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator placed on line at 4PM on 5/3/22. Manual flow measurement was taken 5/26/22 due to planned replacement of outfall flowmeter. One additional Oil & Grease analysis was performed when a short duration sheen was noticed 5/26/22 in the outfall during flowmeter replacement when outfall flow was significantly reduced. No sheen existed in the receiving body of water, and no Oil & Grease was detected in the extra sample. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-06-23 10:54 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-06-27 18:04 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/22 to 05/31/22** | **DMR Due Date:** | **06/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 55.0 | = | 62.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.63 | = | 0.88 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 8.0 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 4.4 | = | 4.4 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.007 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.01 | = | 0.03 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator placed on line at 4PM on 5/3/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-06-23 10:55 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-06-27 18:04 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/22 to 05/31/22** | **DMR Due Date:** | **06/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 62.0 | = | 69.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 0.97 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.6 | = | 7.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.003 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | |
|---|---|
| ***Submission Note*** | |
| If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. | |
| ***Edit Check Errors*** | |

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator placed on line at 4PM on 5/3/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-06-23 10:56 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-06-27 18:04 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/22 to 05/31/22** | **DMR Due Date:** | **06/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.2 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper ion generator was placed on line at 4PM on 5/3/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-06-17 15:29 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-06-27 18:04 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.8 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 6.8 | = | 8.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.013 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 08:20 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.1 | = | 1.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.9 | = | 6.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.02 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 300.0 | = | 420.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-19 13:39 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 65.0 | = | 68.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.64 | = | 0.89 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 8.1 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.016 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.01 | = | 0.04 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-19 13:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 73.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.05 | = | 0.08 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 8.1 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 4.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.013 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.003 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | |
|---|---|
| ***Submission Note*** | |
| If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. | |
| ***Edit Check Errors*** | |

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 09:50 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 08:00 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3300.0 | = | 4500.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.0 | = | 3.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-19 13:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1000.0 | = | 1400.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.4 | = | 3.4 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-19 13:47 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 10:00 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 100000.0 | = | 100000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 34.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.8 | = | 9.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 10:12 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 81000.0 | = | 81000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 16.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.2 | = | 9.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 10:07 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140000.0 | = | 140000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 16.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 8.1 | | | = | 8.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 30.0 | = | 30.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 10:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/22 to 06/30/22** | **DMR Due Date:** | **07/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-07-14 08:14 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-07-25 09:11 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 07/31/22** | **DMR Due Date:** | **08/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.9 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 8.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-08-09 15:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-08-19 08:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 07/31/22** | **DMR Due Date:** | **08/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 78.0 | = | 81.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 8.3 | | | = | 8.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.1 | = | 7.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.6 | = | 5.6 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.007 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.01 | = | 0.06 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 210.0 | = | 290.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 7/12/22, requiring use of the higher pH limit for that week. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

| | |
|---|---|
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | WILLIACJ |
| Name: | Ciera Williams |
| E-Mail: | ciera.williams@unnpp.gov |
| Date/Time: | 2022-08-16 12:59 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-08-19 08:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 07/31/22** | **DMR Due Date:** | **08/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.28 | = | 0.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 8.1 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.8 | = | 0.8 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 7/12/22, requiring use of the higher pH limit for that week. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | WILLIACJ |
| Name: | Ciera Williams |
| E-Mail: | ciera.williams@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2022-08-16 13:00 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-08-19 08:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 07/31/22** | **DMR Due Date:** | **08/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 78.0 | = | 81.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.11 | = | 0.15 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.4 | = | 2.4 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | < | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Outfall 001 pH was 8.3 SU on 7/12/22, requiring use of the higher pH limit for that week. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | WILLIACJ |
| Name: | Ciera Williams |
| E-Mail: | ciera.williams@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2022-08-16 13:00 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-08-19 08:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 07/31/22** | **DMR Due Date:** | **08/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.01 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-08-09 16:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-08-19 08:22 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/22 to 08/31/22** | **DMR Due Date:** | **09/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 3.7 | = | 4.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-09-20 16:43 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-09-26 10:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/22 to 08/31/22** | **DMR Due Date:** | **09/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 79.0 | = | 82.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.4 | = | 3.4 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.016 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.04 | = | 0.1 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 270.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-09-20 16:54 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-09-26 10:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/22 to 08/31/22** | **DMR Due Date:** | **09/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 76.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.29 | = | 0.3 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.007 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-09-20 17:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-09-26 10:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/22 to 08/31/22** | **DMR Due Date:** | **09/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 80.0 | = | 82.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.17 | = | 0.2 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.7 | = | 1.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.013 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.006 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-09-20 17:13 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-09-26 10:03 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/22 to 08/31/22** | **DMR Due Date:** | **09/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.04 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-09-20 17:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-09-26 10:03 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.6 | = | 8.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to a clog in the 001 sampling line, backup sample locations have been used since 9/13/2022. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-24 09:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 4.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.1 | = | 0.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.01 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.08 | = | 0.13 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 240.0 | = | 270.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-24 09:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.83 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.7 | = | 0.7 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.02 | = | 0.05 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-24 09:11 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.09 | = | 0.28 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.3 | = | 4.3 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.003 | = | 0.007 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-24 09:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP# 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:18 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1600.0 | = | 2900.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.6 | = | 4.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 100.0 | = | 100.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 2.0 | < | 2.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP# 10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:26 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 14000.0 | = | 14000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.1 | = | 1.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 10:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 60000.0 | = | 60000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 12.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 34.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:11 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 97000.0 | = | 97000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 16.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.0 | = | 4.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-20 09:12 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/22 to 09/30/22** | **DMR Due Date:** | **10/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-10-24 08:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-10-26 14:20 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 10/31/22** | **DMR Due Date:** | **11/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.8 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 4.1 | = | 4.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to clog in 001 sample line, backup sample locations have been used since 9/13/2022. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-11-16 16:10 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:27 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 10/31/22** | **DMR Due Date:** | **11/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 58.0 | = | 64.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.9 | = | 1.6 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| X 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 11.8 | 12 - SU | | 05/30 - 5 Times Every Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 1 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 34.0 | 19 - mg/L | | 05/30 - 5 Times Every Month | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 34.0 | 19 - mg/L | | 05/30 - 5 Times Every Month | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 1 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.06 | = | 0.19 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.05 | = | 0.12 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 680.0 | = | 2040.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

| Parameter | | Monitoring Location | Field | Type | Description | Acknowledge |
|---|---|---|---|---|---|---|
| Code | Name | | | | | |
| 00400 | pH | 1 - Effluent Gross | Quality or Concentration Sample Value 3 | Soft | The provided sample value is outside the permit limit. Please verify that the value you have provided is correct. | Yes |

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. One exceedance of both pH and TSS on 10/13/22 due to spill of cementitious material into storm sewer while flow was minimized. NYSDEC (Malcolm) was notified by phone on 10/13/22. TSS exceedance based on visual observation. One extra sample was taken to verify return to compliance. See attached Report of Noncompliance Event, and pictures to accompany it, which were submitted to NYSDEC (Malcolm) via email on 10/14/22.

***Attachments***

| Name | Type | Size |
|---|---|---|
| RONE_for_Outfall_002_101322signed.pdf | pdf | 1014724.0 |
| Pictures_to_Accompany_RONE.pdf | pdf | 2700766.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:26 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:27 (Time Zone: -05:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, Regional Water Engineer **DEC Region:** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 10/13/2022 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 002

**Description of noncompliance(s) and cause(s):** During tie in of a new catch basin in storm drain system, flowable fill in the excavation hole broke through a failed catch basin structure cap and a mixture of flowable fill & stormwater discharged to Outfall 002. It is estimated that approximately 200 gallons of the mixture was discharged to the River before mitigating measures were immediately taken to stop the effluent flow. It's estimated that there was <1 ft3 of flowable fill mixed with the stormwater. The effluent was cloudy (i.e., elevated TSS) and the highest pH reading was 11.8.

**Has event ceased?** Yes **If so, when?** 10/13/2022 **Was event due to plant upset?** No **SPDES limits violated?** Yes

**Start date, time of event:** 10/13/2022, 11:02 am **End date, time of event:** 10/13/2022 11:08 am

**Date, time oral notification made to DEC?** 10/13/2022, 2:15 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Immediately following the occurrence, personnel placed sump pumps in the Outfall and a downstream manhole to pump the dirty effluent to tanks. Wet vacuums were used in the Outfall structure to remove any debris/scum from the Outfall 002 structure and pumps were used in upgradient catch basins to pump stormwater around the impacted new catch basin to Outfall 002. The failed cap was plugged and a vacuum truck was used to remove ~1 yd3 of flowable fill from the new catch basin structure. Pictures of the Outfall and new catch basin structure have been included with this report for edification.

**Preventive (long term) corrective actions:** Following the occurrence the project team reviewed the event and its potential causes and determined that the following will be taken into consideration for future catch basin installations -- upstream pumping of stormwater effluent around the new structure will be maintained until the installation has reached a point where backfilling level is satisfactory; and, additional bracing of the unused catch basin plugs should be re-evaluated when conditions change (i.e., use of flowable fill vs stone or dirt) to ensure that the plugs won't fail during or following backfilling and operation.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 10/14/22

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

x Erica Myers

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

| | | |
|---|---|---|
| **REGION 1**<br>Regional Water Engineer<br>NYS SUNY , Bldg. 40<br>Loop Road<br>Stony Brook, NY 11790-2356<br>Phone: 631-444-0405 Fax: 631-444-0373<br>**Counties:**<br>Nassau Suffolk | **REGION 2**<br>Regional Water Engineer<br>One Hunters Point Plaza<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Phone: 718-482-4900 Fax: 718-482-6516<br>**Counties:** Queens Bronx<br>New York Richmond Kings | **REGION 3** **<br>Regional Water Engineer<br>21 So. Putt Corners Rd<br>New Paltz, NY 12561-1696<br>Phone: 845-256-3000 Fax: 845-255-0714<br>**Counties:** Rockland Dutchess<br>Sullivan Orange Ulster<br>Putnam Westchester |
| **REGION 4**<br>Regional Water Engineer<br>1150 North Westcott Rd.<br>Schenectady, NY 12306-2014<br>Phone: 518-357-2045 Fax: 518-357-2398<br>**Counties:** Montgomery Albany<br>Otsego Rensselaer Columbia<br>Delaware Schoharie Greene<br>Schenectady | **REGION 5** **<br>Regional Water Engineer<br>Route 86, P.O. Box 296<br>Ray Brook N.Y. 12977-0296<br>Phone: 518-897-1241 Fax: 518-897-1245<br>**Counties:**<br>Clinton Hamilton Franklin<br>Essex Saratoga Warren<br>Fulton Washington | **REGION 6** **<br>Regional Water Engineer<br>Region 6 Suboffice<br>State Office Bldg.<br>207 Genesee St.<br>Utica, NY 13500<br>Phone: 315-793-2554 Fax: 315-793-2748<br>**Counties:** Lewis Jefferson<br>Herkimer Oneida St. Lawrence |
| **REGION 7**<br>Regional Water Engineer<br>615 Erie Blvd West<br>Syracuse, NY 13204-2400<br>Phone: 315-426-7506 Fax: 315-426-7402<br>**Counties:** Madison Cayuga<br>Broome Onondaga Oswego<br>Chenango Tioga Tompkins<br>Cortland | **REGION 8**<br>Regional Water Engineer<br>6274 East Avon-Lima Rd<br>Avon, NY 14414-9519<br>Phone: 585-226-2466 Fax: 585-226-2830<br>**Counties:** Orleans Genessee<br>Chemung Schuyler Seneca<br>Livingston Steuben Ontario<br>Monroe Wayne Yates | **REGION 9**<br>Regional Water Engineer<br>270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Phone: 716-851-7070 Fax: 716-851-7009<br>**Counties:** Allegany Erie<br>Cattaraugus Niagara Wyoming<br>Chautauqua |

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

View of new catch basin structure before flowable fill added to excavation. Looking North to South-from Mohawk River. Impacted catch basin cap on bottom. Water Flow is from left to right towards Outfall 002. Picture taken on Thursday, 10/13/22 (Post event)



New catch basin structure after impacted catch basin cap hole (top) covered with plywood and flowable fill in excavation covering hole. Looking South to North-towards Mohawk River. Water Flow is from right to left towards Outfall 002. Picture taken on Thursday, 10/13/22 (Post event)



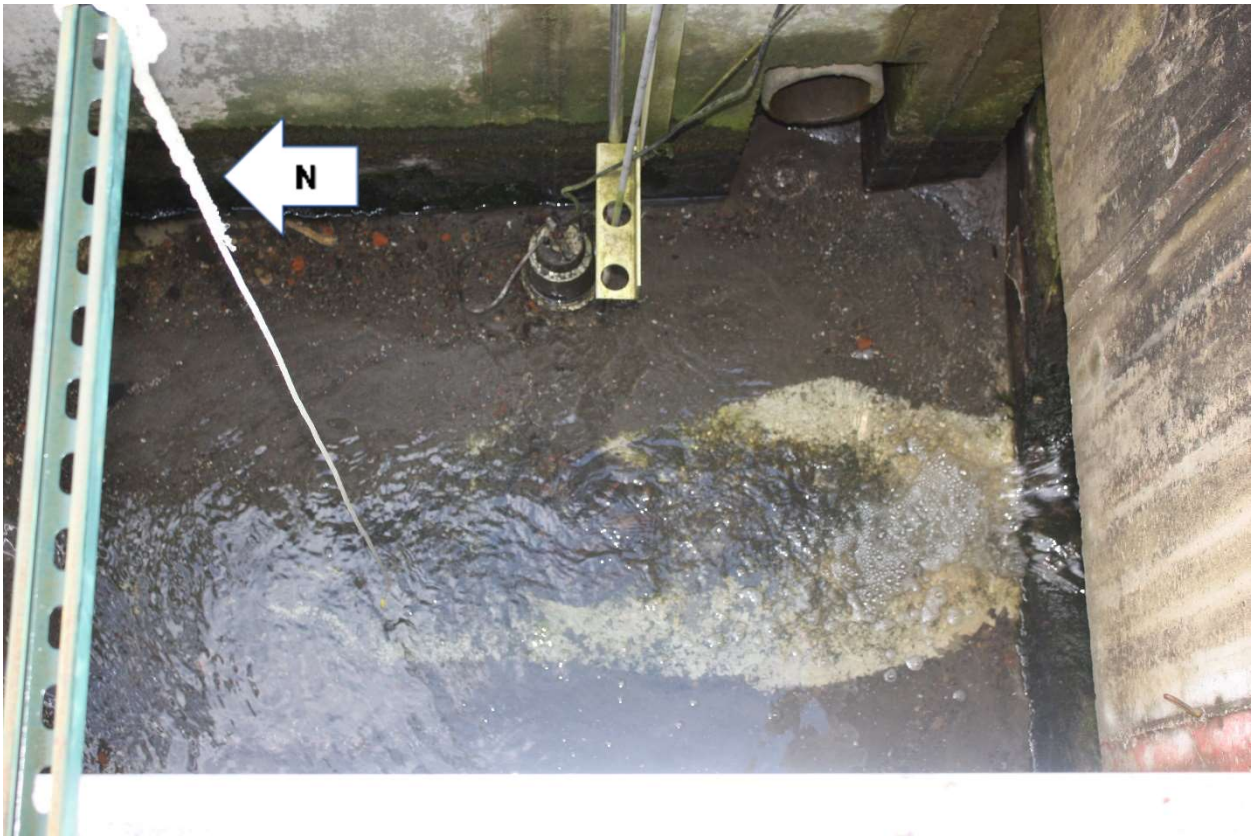
Outfall 002 – looking from South to North (Towards Mohawk River)Picture taken Friday, 10/14/22



View of Outfall 002 stilling chamber during event. View is looking east-Mohawk River on left (North), incoming stormwater line on right (South). Sump pump installed and removing dirty water to tanks. Picture taken on Thursday 10/13/22



View of Outfall 002 stilling chamber after event. View is looking east-Mohawk River on left (North), incoming stormwater line on right (South). Picture taken on Friday 10/14/22



# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 10/31/22** | **DMR Due Date:** | **11/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 65.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.66 | = | 1.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.5 | = | 0.5 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.006 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.009 | = | 0.02 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed Instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-11-18 17:52 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:27 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 10/31/22** | **DMR Due Date:** | **11/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 58.0 | = | 63.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.28 | = | 0.96 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.9 | = | 2.9 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.007 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.003 | = | 0.008 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-11-16 16:25 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:27 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/22 to 10/31/22** | **DMR Due Date:** | **11/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.06 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2022-11-16 16:12 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-11-28 08:27 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/22 to 11/30/22** | **DMR Due Date:** | **12/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.4 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 25.0 | = | 96.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | < | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/14/22. Due to clog in 001 sample line, backup sample locations have been used since 9/13/22. Installed flowmeter provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-12-15 15:44 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-12-19 10:06 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/22 to 11/30/22** | **DMR Due Date:** | **12/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 47.0 | = | 60.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 19.0 | = | 76.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.04 | = | 0.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.007 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.03 | = | 0.04 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 190.0 | = | 250.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/14/22. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-12-14 16:30 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-12-19 10:06 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/22 to 11/30/22** | **DMR Due Date:** | **12/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 57.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.14 | = | 0.24 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.004 | = | 0.005 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/14/22. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-12-14 16:33 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-12-19 10:06 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/22 to 11/30/22** | **DMR Due Date:** | **12/28/22** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 59.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.07 | = | 0.12 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.8 | = | 2.8 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0004 | = | 0.001 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/14/22. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-12-14 15:08 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-12-19 10:06 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/22 to 11/30/22** | **DMR Due Date:** | **12/28/22** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.04 | = | 0.04 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/14/22. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2022-12-14 15:11 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2022-12-19 10:06 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.3 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 26.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed Instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling location has been used since 9/13/22. The River Water System was secured for maintenance starting on 12/22/22 and continuing through the end of December, resulting in no flow for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 16:45 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 50.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 1.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.4 | = | 9.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.3 | = | 1.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 990.0 | = | 3300.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed Instrumentation provides continuous flow and temperature measurements, except for a thermocouple malfunction beginning on 12/30/22 and continuing until 1/3/23. The River Water System was secured starting 12/22/22 and continuing through the end of December, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

***Attachments***

| Name | Type | Size |
|---|---|---|
| 2022_BMP_Review_Certification_signed.pdf | pdf | 487883.0 |
| 2022_wtcreport_page1.pdf | pdf | 146389.0 |
| 2022_wtcreport_page2.pdf | pdf | 145114.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-26 11:32 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# State Pollutant Discharge Elimination System (SPDES)
# BEST MANAGEMENT PRACTICES (BMP) PLAN
# Permit Number: NY0005851

## *KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY*
## 2022

**Name of Facility**: Knolls Atomic Power Laboratory – Knolls Laboratory

**Location:** 2401 River Road
Niskayuna, NY 12309

**Owner:** U.S. Department of Energy
Naval Reactors Laboratory Field Office
P.O. Box 1069
Schenectady, New York 12301-1069

**Operator:** Fluor Marine Propulsion, LLC
P.O. Box 1072
Schenectady, New York 12301-1072

**Contact:** Program Manager
Environment, Safety, and Health
Naval Reactors Laboratory Field Office
(518) 395-6366

**This Section for Annual Review Documentation Only**
**Submit with December DMR**

X Annual Review is Complete

X No Revisions Necessary

____ Minor Revisions Made and List of Changes Attached

____ Major Revision Made and BMP will be submitted to NYSDEC within 30 days

**CERTIFICATION STATEMENT**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

1/23/2023

X Erica Myers

Erica Myers
ESH Director, Knolls Laboratory
Signed by: ERICA MYERS (Affiliate)

Signature of Principal Executive or Authorized Agent

1/23/2023

Date

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2022 |
|---|
| Page 1 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Copper | Macro Tech | 12/14/2000 | 0.1 | 0.2 | 002, 03B, 03D | | |
| Treatment J-663 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.4 | 6.2 | 002 | | (1) |
| Treatment J-665 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.5 | 7.5 | 002 | | (1) |
| Treatment J-669 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.5 | 7.5 | 002 | | (1) |
| Treatment 52 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3 | 10 | 002 | | (1) |
| Treatment 63 | I&C Clean Metal Heat Transfer | 8/9/2006 | 0.01 | 0.6 | 002 | | |
| Boiler Treat FeD | Aqua-Vize | 8/9/2006 | 2.2 | 5.4 | 002 | | |
| Boiler Treat CA-M | Aqua-Vize | 8/9/2006 | 7.0 | 23 | 002 | | |
| PAS108AT | Evapco | 7/2/2018 | 0 | 0 | 002 | | (2) |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)* (1) Treatment Chemicals 52, J-663, J-665, and J-669 WTC forms were revised and authorized by NYSDEC on 9/29/2014.
(2) PAS108AT was not used in 2022.

| Name: Erica Myers | Title: ESH Director | Phone: (518) 395-7167 |
|---|---|---|
| Signature: ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2023.01.25 13:49:59 -05'00' | Date: 01/25/2023 | Email: erica.myers@unnpp.gov |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2022 |
|---|
| Page 2 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Tower Treat 1200A | Aqua-Vize | 8/9/2006 | 2.7 | 10 | 002 | | |
| Surchlor/Superchlor | Surpass Chemical/Slack Chemical | 8/9/2006 | 4.4 | 13 | 002 | | (3) |
| Bromicide Granules | BWA Water Additives | 7/2/2018 | 0.07 | 0.33 | 002 | | (4) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)*

(3) Two brands of sodium hypochlorite solution were used in 2022, which have identical active ingredients and concentrations.

(4) The maximum daily usage value (pounds/day) for bromicide is based on operating in accordance with the Installation, Operations, and Maintenance Manual. This manual states that the maximum allowable weight of bromicide granules added to the cooling tower biocide feeder disperses over a thirty day period, and that the biocide feeder limits the bromicide granules exposure to the feed water providing a controlled application and release of pesticide.

| Name: Erica Myers | Title: ESH Director | Phone: (518) 395-7167 |
|---|---|---|
| Signature: ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2023.01.25 18:01:19 -05'00' | Date: 01/25/2023 | Email: erica.myers@unnpp.gov |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 39.0 | = | 43.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 0.24 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured for maintenance starting 12/22/22 and continuing through the end of December, resulting in no flow to the outfall for most of this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:34 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 51.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.09 | = | 0.14 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.8 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured for maintenance starting 12/22/22 and continuing through the end of December, resulting in no River Water flow to the outfall for this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:44 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:50 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3900.0 | = | 4300.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 2.0 | < | 2.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:48 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.9 | | | = | 7.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 1.0 | < | 1.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:54 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:58 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 15000.0 | = | 15000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 18.0 | = | 18.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 14:57 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 19000.0 | = | 19000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 10.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 15:04 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 87000.0 | = | 87000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 12.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.7 | = | 2.7 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 15:07 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/22 to 12/31/22** | **DMR Due Date:** | **01/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper injection system was secured.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-01-11 15:00 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-01-26 15:13 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 01/31/23** | **DMR Due Date:** | **02/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.7 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 20.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed Instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling location has been used since 9/13/22. The River Water System was secured for maintenance starting on 12/22/22 and continuing until 1/3/23, resulting in no flow for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-02-15 15:16 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-02-21 16:39 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 01/31/23** | **DMR Due Date:** | **02/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 42.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.1 | = | 1.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.6 | = | 17.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 310.0 | = | 630.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed Instrumentation provides continuous flow and temperature measurements, except for a thermocouple malfunction beginning on 12/30/22 and continuing until 1/3/23. The River Water System was secured starting 12/22/22 and continuing until 1/3/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-02-15 15:13 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-02-21 16:39 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 01/31/23** | **DMR Due Date:** | **02/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 43.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.6 | = | 1.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured.  The River Water System was secured for maintenance starting 12/22/22 and continuing until 1/3/23, resulting in no flow to the outfall for most of this time period. Adirondack Environmental Services ELAP #10709

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan  Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-02-16  17:28  (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica  Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-02-21  16:39  (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 01/31/23** | **DMR Due Date:** | **02/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 50.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.11 | = | 0.91 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 20.0 | = | 20.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured for maintenance starting 12/22/22 and continuing until 1/3/23, resulting in no River Water flow to the outfall for this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-02-15 15:27 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-02-21 16:39 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 01/31/23** | **DMR Due Date:** | **02/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper injection system was secured.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-02-15 14:59 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-02-21 16:39 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/23 to 02/28/23** | **DMR Due Date:** | **03/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.8 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 8.8 | = | 12.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed Instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling location has been used since 9/13/22. The River Water System was secured for maintenance starting on 2/02/23 and continuing until 2/06/23, resulting in no River Water flow for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709. Note that a non-compliance event occurred February 25th for Outfall 03E which is not reported in the DMR until April for the first quarter. A RONE is attached for this event involving a non-permitted substance (propylene glycol based coolant) discharge and pH above the 8.5 SU limit.

## Attachments

| Name | Type | Size |
|---|---|---|
| Feb2023Outfall03ERONEforDMR.pdf | pdf | 684503.0 |

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-03-22 15:38 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |

| | |
|---|---|
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-03-26 12:47 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, Engineer, Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 02/25/2023 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 03E

**Description of noncompliance(s) and cause(s):** 40 gallons of a propylene glycol anti-freeze was inadvertently discharged from a stormwater-only outfall after a pump failure on an outdoor chiller system at our Riverview Test Facility. The product, Dowfrost HD was mixed with water (80 gallons total). The pH of the mixture was approximately 9.1 SU, which likely resulted in a short-term exceedance of the 8.5 SU limit for the outfall, although no samples were taken on the day of the discharge. The product has very low toxicity per the SDS. The chiller is on a concrete pad in a paved area.

**Has event ceased?** Yes **If so, when?** 2/25/2023 **Was event due to plant upset?** No **SPDES limits violated?** Yes

**Start date, time of event:** 02/25/2023, 3:49 pm **End date, time of event:** 02/25/2023 7:30 pm

**Date, time oral notification made to DEC?** 02/25/2023, 6:18 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Upon discovery of the leakage by security personnel making a routine tour, emergency services operators responded from the upper level of Knolls Site and deployed pre-staged spill stopper absorbents on the asphalt and a catch basin cover to reduce the release quantity. Other maintenance personnel on site for snow removal supplied speedi-dry and performed cleanup at the location. Environmental compliance personnel and facility representatives responded to the site to assess the impact of the spill and direct cleanup.

**Preventive (long term) corrective actions:** KAPL is currently evaluating what changes to preventive maintenance and system configuration (e.g., secondary containment) are needed to prevent future leaks. This was the first leak from the system in 10 years of operation. The failed pump was replaced and a temporary revetment was installed under the operating pumps. The revetment and outdoor portion of the chiller will be checked twice daily to ensure any leakage or problems are promptly found and corrected until a more permanent solution is found.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 3/22/2023

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERICA MYERS
X (Affiliate)

Digitally signed by ERICA MYERS (Affiliate)
Date: 2023.03.22 09:04:50 -04'00'

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/23 to 02/28/23** | **DMR Due Date:** | **03/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.78 | = | 1.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.4 | = | 6.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 430.0 | = | 730.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed Instrumentation provides continuous flow and temperature measurements. The River Water System was secured starting 2/02/23 and continuing until 2/06/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-03-21 12:04 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-03-26 12:47 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/23 to 02/28/23** | **DMR Due Date:** | **03/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 38.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.1 | = | 1.4 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance starting 2/02/22 and continuing until 2/06/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-03-21 12:06 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-03-26 12:47 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/23 to 02/28/23** | **DMR Due Date:** | **03/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.039 | = | 0.051 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.2 | = | 2.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance starting 2/02/23 and continuing until 2/06/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-03-21 12:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-03-26 12:47 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/23 to 02/28/23** | **DMR Due Date:** | **03/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper injection system was secured.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-03-21 12:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-03-26 12:47 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.0 | = | 2.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 21.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling location has been used since 9/13/22. The copper injection system was secured. The River Water system was secured from 3/24/23 until 3/27/23, resulting in no flow for this time period. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 13:21 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 64.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.0 | = | 1.4 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.5 | = | 18.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 580.0 | = | 1000.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature monitoring with the exception of 3/24/23 through 3/27/23 and 3/29/23 through 3/30/23 when the thermocouple malfunctioned. It was repaired on 4/6/23. The River Water system was secured from 3/24/23 until 3/27/23, and secured to 002 only on 3/30/23, resulting in no River Water flow to the outfall for these time periods. The copper injection system was secured. Adirondack Environmental Services ELAP # 10709. Note that a non-compliance event occurred March 20, 2023 for Outfall 002. An updated RONE is attached for this event involving a non-permitted substance (sewage) along with Adirondack analysis testing results for coliform in the outfall. The initial RONE was sent to Jamie Malcolm with NYSDEC on 3/24/23.

***Attachments***

| Name | Type | Size |
|---|---|---|
| KnollsColiformresults032123.pdf | pdf | 246448.0 |
| Knollsfecalcoliformreults032023.pdf | pdf | 735467.0 |
| SignedUpdatedRONEFormforSewage.pdf | pdf | 722887.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 15:11 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 15:11 (Time Zone: -04:00) |

# Adirondack Environmental Services, Inc

**Date:** *22-Mar-23*

| | | | |
|---|---|---|---|
| **CLIENT:** | Knolls Atomic Power Laboratory | **Client Sample ID:** | 23-43 002 |
| **Work Order:** | **230321030** | **Collection Date:** | 3/21/2023 7:00:00 AM |
| **Reference:** | Wastewater / Knolls Lab | **Lab Sample ID:** | 230321030-004 |
| **PO#:** | 140543 | **Matrix:** | WASTEWATER |
| | **Project# :** KN-RES-23-24 | | |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **SM 9223B(-04)COLILERT** | | | | | | Analyst: **KTT** |
| **( Prep: - 3/21/2023 )** | | | | | | |
| Total Coliform | **POSITIVE** | 0 | X | | 1 | 3/21/2023 2:49:00 PM |
| Escherichia coli | **POSITIVE** | 0 | X | | 1 | 3/21/2023 2:49:00 PM |
| **TOTAL DISSOLVED SOLIDS - SM 2540C-2015** | | | | | | Analyst: **DG** |
| **( Prep: Gen Prep - 3/21/2023 )** | | | | | | |
| TDS (Residue, Filterable) | **385** | 5 | | mg/L | 1 | 3/22/2023 |
| **TOTAL SUSPENDED SOLIDS - SM 2540D-2015** | | | | | | Analyst: **DG** |
| **( Prep: Gen Prep - 3/21/2023 )** | | | | | | |
| TSS (Residue, Non-Filterable) | **4.2** | 1.0 | | mg/L | 1 | 3/22/2023 |
| TSS (Residue, Non-Filterable) | **8.6** | 1.0 | | mg/L | 1 | 3/22/2023 |
| TSS (Residue, Non-Filterable) | **8.9** | 1.0 | | mg/L | 1 | 3/22/2023 |

**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

March 21, 2023

Daniel Haffey
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301

TEL: (518) 395-6040

Work Order No: 230320056
PO#: 140543

RE: Wastewater
Knolls Lab

Adirondack Environmental Services, Inc received 3 samples on 3/20/2023 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

## Adirondack Environmental Services, Inc — CASE NARRATIVE

**Knolls Atomic Power Laboratory**

Wastewater

Knolls Lab

**Date:** *21-Mar-23*

**Lab WorkOrder:** **230320056**

Sample containers were supplied by Adirondack Environmental Services.

**Definitions - RL: Reporting Limit DF: Dilution factor**

**Qualifiers:**

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

**Note : All Results are reported as wet weight unless noted**

**The results relate only to the items tested. Information supplied by the client is assumed to be correct.**

# Adirondack Environmental Services, Inc

**Date:** *21-Mar-23*

| | | | |
|---|---|---|---|
| **CLIENT:** | Knolls Atomic Power Laboratory | **Client Sample ID:** | #1 002 Refrigerated Sampler |
| **Work Order:** | **230320056** | **Collection Date:** | 3/20/2023 11:55:00 AM |
| **Reference:** | Wastewater / Knolls Lab | **Lab Sample ID:** | 230320056-001 |
| **PO#:** | 140543 | **Matrix:** | WASTEWATER |

KN-RES-23/26

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **COLILERT-18** | | | | | | Analyst: **KTT** |
| **( Prep: Colilert - 3/20/2023 )** | | | | | | |
| Fecal Coliform | **80.5** | 1.0 | | MPN/100mL | 1 | 3/20/2023 4:46:00 PM |

# Adirondack Environmental Services, Inc

**Date:** *21-Mar-23*

| | | | |
|---|---|---|---|
| **CLIENT:** | Knolls Atomic Power Laboratory | **Client Sample ID:** | #3 002 Refrigerated Sampler |
| **Work Order:** | **230320056** | **Collection Date:** | 3/20/2023 12:15:00 PM |
| **Reference:** | Wastewater / Knolls Lab | **Lab Sample ID:** | 230320056-002 |
| **PO#:** | 140543 | **Matrix:** | WASTEWATER |

KN-RES-23/26

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **COLILERT-18** | | | | | | Analyst: **KTT** |
| **( Prep: Colilert - 3/20/2023 )** | | | | | | |
| Fecal Coliform | **113.7** | 1.0 | | MPN/100mL | 1 | 3/20/2023 4:46:00 PM |

# Adirondack Environmental Services, Inc

**Date:** *21-Mar-23*

| | | | |
|---|---|---|---|
| **CLIENT:** | Knolls Atomic Power Laboratory | **Client Sample ID:** | #14 002 Refrigerated Sampler |
| **Work Order:** | **230320056** | **Collection Date:** | 3/20/2023 2:05:00 PM |
| **Reference:** | Wastewater / Knolls Lab | **Lab Sample ID:** | 230320056-003 |
| **PO#:** | 140543 | **Matrix:** | WASTEWATER |

KN-RES-23/26

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **COLILERT-18** | | | | | | Analyst: **KTT** |
| **( Prep: Colilert - 3/20/2023 )** | | | | | | |
| Fecal Coliform | **141.4** | 1.0 | | MPN/100mL | 1 | 3/20/2023 4:46:00 PM |

Adirondack Environmental Services Inc.
314 North Pearl Street
Albany, NY 12207
518-434-4546 / FAX: 518-434-0891

EXPERIENCE IS THE SOLUTION

# CHAIN OF CUSTODY RECORD

AES Work Order#: 230320056

COC Reference:

**A full service analytical research laboratory offering solutions to environmental concerns**

| Client Name: | Address: | Samplers Name: |
|---|---|---|
| KAPL | 2401 River Road Niskayuna, NY 12309 | J. Hodsoll |
| Send Report to: | Project Name (Location): | Samplers Signature: |
| Dan Haffey | Knolls Lab | J Hodsoll |
| Client Phone #: 518-395-6040 | Client PO #: | |
| Client Email: See below | KN-RES-23-26 | |

| AES Sample Number | Client Sample Identification & Location | Date Sampled | Time A=am P=pm | Sample Type Matrix | C | G | # of Cont's | Preservative | Analysis |
|---|---|---|---|---|---|---|---|---|---|
| 001 | #1 202 Refrigerated Sampler | 3/20/23 | 1155 A | WW | | X | 1 | | Fecal Coliform |
| 002 | #3 032 Refrigerated Sampler | 3/20/23 | 1215 A | WW | | X | 1 | | Fecal Coliform |
| 003 | #11 052 Refrigerated Sampler | 3/20/23 | 1405 A | WW | | X | 1 | | Fecal Coliform |
| | | | A | | | | | | |
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**Shipment Arrived Via:** FedEx UPS Client AES Other:_____ 7C

Special Instructions/Remarks: PO#140543
Daniel.haffey@unnpp.gov
william.gullickson@unnpp.gov

***Turnaround Time Requested:***
1 Day 2 Day 3 Day 5 Day Standard
NOTE: Samples received after 3:30pm are considered next business day.

| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
|---|---|---|---|
| J Hodsoll | | 3/20/23 | 15:20 |
| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
| | | | |
| Relinquished by: (Signature) | Received for Laboratory by: J Thomas Cook | Date 3/20/23 | Time 15:48 |

**Sample Temperature**
Ambient ~ Chilled ~ Chilling Begun
Notes: 2°C

**Properly Preserved: Y / N**
0=None
1=$H_2SO_4$ pH<2
2=$HNO_3$ pH<2
3=HCl pH<2
4=$Na_2S_2O_3$
5=$NH_4Cl$
6=Ascorbic Acid
7=FAS
8=ZnAc/NaOH pH>9
9=NaOH pH>10
10=Other_____

**Received Within Holding Times: Y / N**
Notes:

**Custody Seal Intact: Y / N**

**Bottles AES: Y / N**

230320056

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Experience is the solution
314 North Pearl Street • Albany, New York 12207 • (518) 434-4546 • Fax (518) 434-0891

# TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, Engineer, Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 03/20/2023 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 002

**Description of noncompliance(s) and cause(s):** Approximately 500 gallons of raw sewage was inadvertently discharged to the storm sewer connected to Outfall 002. The cause was the failure of a sewage lift station, which caused a backup of sewage into the plumbing system in an adjacent building basement containing a mechanical room with a sump that pumps to the storm sewer. The sewage backup in the basement was discovered at 11:40 AM. The sump pump was secured at 12:20PM, ending the release to the storm sewer. Samples from Outfall 002 were obtained during the event and analyzed for fecal coliform. All results were <200 MPN/100 ml.

**Has event ceased?** Yes **If so, when?** 3/20/2023 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 03/20/2023, 11:40 am **End date, time of event:** 03/20/2023 12:20 pm

**Date, time oral notification made to DEC?** 03/20/2023, 1:29 pm **DEC Official contacted:** Spill Hotline, Operator 2

**Immediate corrective actions:** Upon discovery of the sewage backup in the basement, emergency services personnel began securing all bathrooms and sinks that drain to the affected lift station. Maintenance personnel began cleanup of the spilled sewage in the basement by 12:15 PM. Contractors were brought on site in the afternoon to pump out the lift station and begin preparations for repairs. Cleanup efforts in the basement were completed 3/21/23, including cleanup of the sump the sewage was inadvertently discharged from.

**Preventive (long term) corrective actions:** The lift station pumps were found to have damaged impellers and mop strings clogging the intakes. Both pumps were replaced on 3/22/23. Piping associated with the lift station outlet was cleaned to ensure a clear flow path. KAPL has investigated all of the causes contributing to the event and made changes to prevent a recurrence. The high level alarm for the lift station now indicates at a remote location that is manned 24 hours per day. The mechanical room sump pump will be operated manually unless other changes are made to sufficiently mitigate the risk of a discharge.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** Manager, ESH **Date:** 4/25/2023

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERICA MYERS (Affiliate)

Digitally signed by ERICA MYERS (Affiliate)
Date: 2023.04.25 12:49:48 -04'00'

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 40.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 1.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 8.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

| | |
|---|---|
| ***Edit Check Errors*** | |
| *No errors.* | |
| ***Comments*** | |
| Installed instrumentation provides continuous flow and temperature monitoring. The River Water system was secured from 3/24/23 until 3/27/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP # 10709. | |
| ***Attachments*** | |
| *No attachments.* | |
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 13:41 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 39.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.054 | = | 0.25 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 8.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.9 | = | 1.9 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

| | |
|---|---|
| ***Edit Check Errors*** | |
| *No errors.* | |
| ***Comments*** | |
| Installed instrumentation provides continuous flow and temperature monitoring. The River Water system was secured from 3/24/23 until 3/27/23, resulting in no River Water flow to the outfall for this time period. The copper injection system was secured. Adirondack Environmental Services ELAP # 10709. | |
| ***Attachments*** | |
| *No attachments.* | |
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 13:44 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 4700.0 | = | 5800.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.6 | = | 3.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow rate measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 13:58 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 10.0 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-24 12:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | ESH Director | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| X 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 9.1 | 12 - SU | 1 | 02/90 - Twice Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.4 | = | 7.4 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

| Parameter | | Monitoring Location | Field | Type | Description | Acknowledge |
|---|---|---|---|---|---|---|
| Code | Name | | | | | |
| 00400 | pH | 1 - Effluent Gross | Quality or Concentration Sample Value 3 | Soft | The provided sample value is outside the permit limit. Please verify that the value you have provided is correct. | Yes |

***Comments***

Additional flow rate measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709. Note that a non-compliance event occurred February 25th for Outfall 03E a RONE was submitted with the February DMR on 3/26/2023 and is attached to this DMR. This event involved a non-permitted substance (propylene glycol based coolant) discharge and pH assumed to be 9.1 SU, which is above the 8.5 SU limit. The 9.1 SU pH is a measurement of the coolant, the outfall was not sampled during the actual discharge. The outfall was verified to be back in compliance on 2/27/23 when a pH of 7.9 SU was measured.

***Attachments***

| Name | Type | Size |
|---|---|---|
| Feb2023Outfall03ERONEforDMR.pdf | pdf | 684503.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 12:00 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 12:00 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, Engineer, Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 02/25/2023 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 03E

**Description of noncompliance(s) and cause(s):** 40 gallons of a propylene glycol anti-freeze was inadvertently discharged from a stormwater-only outfall after a pump failure on an outdoor chiller system at our Riverview Test Facility. The product, Dowfrost HD was mixed with water (80 gallons total). The pH of the mixture was approximately 9.1 SU, which likely resulted in a short-term exceedance of the 8.5 SU limit for the outfall, although no samples were taken on the day of the discharge. The product has very low toxicity per the SDS. The chiller is on a concrete pad in a paved area.

**Has event ceased?** Yes **If so, when?** 2/25/2023 **Was event due to plant upset?** No **SPDES limits violated?** Yes

**Start date, time of event:** 02/25/2023, 3:49 pm **End date, time of event:** 02/25/2023 7:30 pm

**Date, time oral notification made to DEC?** 02/25/2023, 6:18 pm **DEC Official contacted:** James Malcolm

**Immediate corrective actions:** Upon discovery of the leakage by security personnel making a routine tour, emergency services operators responded from the upper level of Knolls Site and deployed pre-staged spill stopper absorbents on the asphalt and a catch basin cover to reduce the release quantity. Other maintenance personnel on site for snow removal supplied speedi-dry and performed cleanup at the location. Environmental compliance personnel and facility representatives responded to the site to assess the impact of the spill and direct cleanup.

**Preventive (long term) corrective actions:** KAPL is currently evaluating what changes to preventive maintenance and system configuration (e.g., secondary containment) are needed to prevent future leaks. This was the first leak from the system in 10 years of operation. The failed pump was replaced and a temporary revetment was installed under the operating pumps. The revetment and outdoor portion of the chiller will be checked twice daily to ensure any leakage or problems are promptly found and corrected until a more permanent solution is found.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** ESH Director **Date:** 3/22/2023

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERICA MYERS
X (Affiliate)

Digitally signed by ERICA MYERS (Affiliate)
Date: 2023.03.22 09:04:50 -04'00'

Signature of Principal Executive Officer or Authorized Agent

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 43000.0 | = | 43000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.0 | = | 7.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.6 | = | 3.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 14:35 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 10.0 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-24 12:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 120000.0 | = | 120000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 9.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 29.0 | = | 29.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-24 12:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 240000.0 | = | 240000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.3 | = | 1.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-21 14:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/23 to 03/31/23** | **DMR Due Date:** | **04/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper injection system was secured.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-04-24 12:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-04-28 11:02 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/23 to 04/30/23** | **DMR Due Date:** | **05/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.5 | = | 2.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 22.0 | = | 38.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling location has been used since 9/13/22. The River Water System was secured starting on 4/5/23 until 4/6/23. The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-05-16 08:06 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-05-17 14:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 04/30/23** | **DMR Due Date:** | **05/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 51.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 20.0 | = | 35.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 270.0 | = | 330.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured starting 4/5/23 until 4/6/23 resulting in no river water flow to the outfall for this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-05-16 08:07 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-05-17 14:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 04/30/23** | **DMR Due Date:** | **05/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 49.0 | = | 57.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured starting 4/5/23 until 4/6/23 resulting in no river water flow to the outfall for this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-05-16 08:08 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-05-17 14:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 04/30/23** | **DMR Due Date:** | **05/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 50.0 | = | 58.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.06 | = | 0.19 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 20.0 | = | 20.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured. The River Water System was secured starting 4/5/23 until 4/6/23 resulting in no river water flow to the outfall for this time period. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-05-16 08:09 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-05-17 14:19 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/23 to 04/30/23** | **DMR Due Date:** | **05/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper injection system was secured. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-05-16 08:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-05-17 14:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/23 to 05/31/23** | **DMR Due Date:** | **06/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 2.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 180.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.003 | < | 0.003 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling locations have been used since 9/13/22. Copper ionization system started on 5/9/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-06-13 13:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-06-19 09:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/23 to 05/31/23** | **DMR Due Date:** | **06/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 69.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 40.0 | = | 180.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.1 | = | 0.3 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.6 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.011 | = | 0.019 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | = | 160.0 | = | 250.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ionization system started on 5/9/23. Adirondack Environmental Services ELAP #10709. Extra Oil and Grease sample taken on 5/24/23 to verify no oil made it to the outfall during a spill to the pavement.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-06-13 13:02 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-06-19 09:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/23 to 05/31/23** | **DMR Due Date:** | **06/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 68.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.013 | = | 0.039 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ionization system started on 5/9/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-06-13 13:03 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-06-19 09:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 05/01/23 to 05/31/23** | **DMR Due Date:** | **06/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 68.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.13 | = | 1.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 110.0 | = | 110.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.003 | < | 0.003 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ionization system started on 5/9/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-06-13 13:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-06-19 09:39 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/23 to 05/31/23** | **DMR Due Date:** | **06/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.024 | = | 0.045 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper ionization system started on 5/9/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-06-13 13:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-06-19 09:39 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.8 | = | 2.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.0 | = | 6.9 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling locations have been used since 9/13/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 10:59 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 74.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.1 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 6.6 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.9 | = | 2.7 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | = | 5.2 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.007 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.05 | = | 0.07 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 250.0 | = | 310.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-17 07:31 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 69.0 | = | 73.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.6 | = | 0.6 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.01 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:04 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 06/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 69.0 | = | 74.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.2 | = | 0.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.4 | = | 5.4 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.004 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:04 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2900.0 | = | 4300.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.0 | = | 3.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow rate measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:02 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 5.0 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:03 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 100.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 03/90 - Three Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 6.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 18.0 | = | 18.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional flow rate measurements were taken in support of another program. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 12000.0 | = | 12000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.0 | = | 8.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 6.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.0 | = | 4.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:00 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myer | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 5.0 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3100.0 | = | 110000.0 | 07 - gal/d | | | | | | | | 0 | 05/90 - Five Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 21.0 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.6 | 12 - SU | 0 | 05/90 - Five Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 35.0 | = | 130.0 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Additional measurements were taken in support of Q-Complex demolition project per agreement with NYSDEC Region 4. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 04/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 6.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.8 | = | 4.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:01 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/23 to 06/30/23** | **DMR Due Date:** | **07/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.04 | = | 0.07 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-07-13 11:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-07-18 17:19 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 07/31/23** | **DMR Due Date:** | **08/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.5 | = | 2.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 26.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.007 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling locations have been used since 9/13/22. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-08-18 09:30 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-08-21 16:37 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 07/31/23** | **DMR Due Date:** | **08/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 76.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 2.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | | |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 22.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.009 | = | 0.012 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.068 | = | 0.124 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 300.0 | = | 410.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-08-18 09:31 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-08-21 16:37 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 07/31/23** | **DMR Due Date:** | **08/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 76.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.63 | = | 1.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 5.0 | = | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.004 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-08-18 09:31 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-08-21 16:37 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 07/31/23** | **DMR Due Date:** | **08/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 76.0 | = | 79.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.7 | = | 1.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.0 | = | 0.0 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-08-18 09:32 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-08-21 16:37 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/23 to 07/31/23** | **DMR Due Date:** | **08/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.057 | = | 0.109 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-08-18 06:10 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-08-21 16:37 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/23 to 08/31/23** | **DMR Due Date:** | **09/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.7 | = | 2.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.6 | = | 8.8 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.006 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Due to a clog in the Outfall 001 sampling line, the backup sampling locations have been used since 9/13/22. A repair was made on 8/25/23. Both the normal and backup samplers were used simultaneously for the 8/29/23 samples and the results averaged together. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-09-20 11:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-09-27 17:12 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/23 to 08/31/23** | **DMR Due Date:** | **09/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.8 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.1 | = | 9.1 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.4 | = | 1.2 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.05 | = | 0.086 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 230.0 | = | 260.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-09-19 18:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-09-27 17:12 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/23 to 08/31/23** | **DMR Due Date:** | **09/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.36 | = | 1.4 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.009 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.005 | = | 0.01 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-09-20 11:56 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-09-27 17:12 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 08/01/23 to 08/31/23** | **DMR Due Date:** | **09/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 78.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.96 | = | 1.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 5.3 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.02 | = | 0.05 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-09-19 18:05 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-09-27 17:12 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/23 to 08/31/23** | **DMR Due Date:** | **09/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.07 | = | 0.14 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2023-09-20 11:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-09-27 17:12 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.7 | = | 2.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.3 | 12 - SU | 0 | 05/30 - 5 Times Every Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 5.1 | 19 - mg/L | 0 | 05/30 - 5 Times Every Month | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.007 | = | 0.013 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709. An extra sample was taken for pH and TSS for information.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:37 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 76.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.8 | = | 4.7 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.03 | = | 0.1 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 0.008 | = | 0.011 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.03 | = | 0.07 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 290.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:37 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.72 | = | 1.5 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.005 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.006 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 09/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.69 | = | 0.94 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.2 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.2 | = | 2.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.008 | = | 0.015 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.01 | = | 0.031 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2700.0 | = | 2900.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.2 | = | 3.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.6 | = | 3.6 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:43 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 33.0 | = | 33.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:38 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:38 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 240000.0 | = | 650000.0 | 07 - gal/d | | | | | | | | 0 | 03/30 - Three Per Month | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 24.0 | 19 - mg/L | 0 | 03/30 - Three Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 8.1 | 12 - SU | 0 | 03/30 - Three Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 130.0 | 19 - mg/L | 0 | 03/30 - Three Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.3 | 19 - mg/L | 0 | 03/30 - Three Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for building demolition work on site. High TSS result of 130 mg/L was due to a few sand particles in an otherwise clear sample. A total of 16 samples were taken during the quarter.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:39 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 26000.0 | = | 26000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 18.0 | = | 18.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-20 10:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/23 to 09/30/23** | **DMR Due Date:** | **10/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.03 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2023-10-19 12:54 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-10-25 19:31 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 10/31/23** | **DMR Due Date:** | **11/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.1 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 40.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.008 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. River Water system secured 10/14/2023 through 10/21/2023 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-11-20 08:32 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-11-21 15:44 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 10/31/23** | **DMR Due Date:** | **11/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 61.0 | = | 67.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.0 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 35.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 4.5 | = | 22.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.012 | = | 0.037 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.011 | = | 0.02 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 350.0 | = | 840.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. River Water and the copper ion generator were secured from 10/14/23 to 10/21/23 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-11-20 08:34 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-11-21 15:44 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 10/31/23** | **DMR Due Date:** | **11/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 63.0 | = | 68.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.43 | = | 1.4 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.2 | = | 1.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.006 | = | 0.01 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.001 | = | 0.002 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. River Water and the copper ion generator were secured from 10/14/23 to 10/21/23 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-11-20 08:31 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-11-21 15:44 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 10/31/23** | **DMR Due Date:** | **11/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 61.0 | = | 67.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.68 | = | 1.3 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.6 | = | 2.6 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.002 | = | 0.01 | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. River Water and the copper ion generator were secured from 10/14/23 to 10/21/23 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-11-20 08:31 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-11-21 15:44 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/23 to 10/31/23** | **DMR Due Date:** | **11/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | ESH Director | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | < | 0.014 | = | 0.032 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

River Water and the copper ion generator were secured from 10/14/23 to 10/21/23 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-11-20 08:30 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-11-21 15:44 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/23 to 11/30/23** | **DMR Due Date:** | **12/28/23** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 16.0 | = | 48.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-12-14 15:45 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-12-21 11:22 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/23 to 11/30/23** | **DMR Due Date:** | **12/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 52.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 40.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 220.0 | = | 260.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-12-14 15:46 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-12-21 11:22 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/23 to 11/30/23** | **DMR Due Date:** | **12/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 49.0 | = | 56.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.21 | = | 0.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 7.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.2 | = | 0.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

| | |
|---|---|
| ***Edit Check Errors*** | |
| *No errors.* | |
| ***Comments*** | |
| Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. | |
| ***Attachments*** | |
| *No attachments.* | |
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-12-14 15:47 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-12-21 11:22 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 11/01/23 to 11/30/23** | **DMR Due Date:** | **12/28/23** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 51.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.2 | = | 1.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 6.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.9 | = | 5.9 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

| | |
|---|---|
| ***Edit Check Errors*** | |
| *No errors.* | |
| ***Comments*** | |
| Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. | |
| ***Attachments*** | |
| *No attachments.* | |
| ***Report Last Saved By*** | |
| ***USDOE-NAVAL REACTORS LAB FIELD OFFICE*** | |
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-12-14 15:47 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-12-21 11:22 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/23 to 11/30/23** | **DMR Due Date:** | **12/28/23** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2023-12-14 15:48 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2023-12-21 11:22 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 170.0 | = | 490.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:35 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 40.0 | = | 44.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 2.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 140.0 | = | 390.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.4 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 240.0 | = | 330.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. An updated RONE is attached for the petroleum release at Outfall 002 that occurred on 12/18/23. The initial RONE was submitted on 12/21/2023. Two additional oil and grease samples were taken and reported for this event. Attached are the annual Water Treatment Chemical Report and certification of review of the SPDES BMP.

***Attachments***

| Name | Type | Size |
|---|---|---|
| BMP.pdf | pdf | 487926.0 |
| WTCpage1.pdf | pdf | 367962.0 |
| WTCpage2.pdf | pdf | 381901.0 |
| UpdatedRONE002.pdf | pdf | 1533551.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-26 13:26 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2023 |
|---|
| Page 1 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Copper | Macro Tech | 12/14/2000 | 0.04 | 0.14 | 002, 03B, 03D | | |
| Treatment J-663 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.1 | 6.2 | 002 | | (1) |
| Treatment J-665 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.0 | 6.2 | 002 | | (1) |
| Treatment J-669 | I&C Clean Metal Heat Transfer | 8/9/2006 | 3.0 | 6.2 | 002 | | (1) |
| Treatment 52 | I&C Clean Metal Heat Transfer | 8/9/2006 | 2 | 6 | 002 | | (1) |
| Treatment 63 | I&C Clean Metal Heat Transfer | 8/9/2006 | 0.01 | 0.5 | 002 | | |
| Boiler Treat FeD | Aqua-Vize | 8/9/2006 | 2.0 | 6.3 | 002 | | |
| Boiler Treat CA-M | Aqua-Vize | 8/9/2006 | 4.4 | 13 | 002 | | |
| PAS108AT | Evapco | 7/2/2018 | 0 | 0 | 002 | | (2) |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)*
(1) Treatment Chemicals 52, J-663, J-665, and J-669 WTC forms were revised and authorized by NYSDEC on 9/29/2014.
(2) PAS108AT was not used in 2023.

| Name: Erica Myers | Title: RES Manager | Phone: (518) 395-7167 |
|---|---|---|
| Signature: ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2024.01.26 13:08:07 -05'00' | Date: 01/26/2024 | Email: erica.myers@unnpp.gov |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website http://www.dec.ny.gov/permits/93245.html .

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

| Annual Report for Year 2023 |
|---|
| Page 2 of 2 |

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Tower Treat 1200A | Aqua-Vize | 8/9/2006 | 3.5 | 26 | 002 | | |
| Surchlor/Superchlor | Surpass Chemical/Slack Chemical | 8/9/2006 | 5.9 | 13 | 002 | | (3) |
| Bromicide Granules | BWA Water Additives | 7/2/2018 | 0.0 | 0.0 | 002 | | (4,5) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)*

(3) Two brands of sodium hypochlorite solution were used in 2023, which have identical active ingredients and concentrations.

(4) The maximum daily usage value (pounds/day) for bromicide is based on operating in accordance with the Installation, Operations, and Maintenance Manual. This manual states that the maximum allowable weight of bromicide granules added to the cooling tower biocide feeder disperses over a thirty day period, and that the biocide feeder limits the bromicide granules exposure to the feed water providing a controlled application and release of pesticide.

(5) Bromocide Granules was not used in 2023.

| Name: Erica Myers | Title: RES Manager | Phone: (518) 395-7167 |
|---|---|---|
| Signature: ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2024.01.26 13:10:04 -05'00' | Date: 01/26/2024 | Email: erica.myers@unnpp.gov |

# State Pollutant Discharge Elimination System (SPDES)
# BEST MANAGEMENT PRACTICES (BMP) PLAN
# Permit Number: NY0005851

## *KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY*
## 2023

**Name of Facility**: Knolls Atomic Power Laboratory – Knolls Laboratory

**Location:** 2401 River Road
Niskayuna, NY 12309

**Owner:** U.S. Department of Energy
Naval Reactors Laboratory Field Office
P.O. Box 1069
Schenectady, New York 12301-1069

**Operator:** Fluor Marine Propulsion, LLC
P.O. Box 1072
Schenectady, New York 12301-1072

**Contact:** Program Manager
Environment, Safety, and Health
Naval Reactors Laboratory Field Office
(518) 395-6366

**This Section for Annual Review Documentation Only**
**Submit with December DMR**

X Annual Review is Complete

X No Revisions Necessary

___ Minor Revisions Made and List of Changes Attached

___ Major Revision Made and BMP will be submitted to NYSDEC within 30 days

**CERTIFICATION STATEMENT**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2024.01.09 15:38:19 -05'00'

Signature of Principal Executive Officer or Authorized Agent

1/9/2024

Date

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

**To: DEC Water Contact** James Malcolm, P.E., Division of Water **DEC Region:** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 12/18/2023 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 002

**Description of noncompliance(s) and cause(s):**

A diesel smell was reported at Outfall 002 at 0820 am on 12/18/2023 and the release was traced upstream back to Catch Basin (CB) 002-206 at the upper level of the site. No sheen was identified at the time in the catch basins, Outfall 002 or the Mohawk River. Due to the amount of rain received, the Clara separators that remove solids and petroleum from upper level runoff had some water bypass the units per design, which allowed some of the contamination to get to Outfall 002. Samples were taken at Outfall 002 on 12/18/2023 for both Oil & Grease and Diesel Range Organics (DRO) that resulted in non-detectable levels (<5mg/l). As of the morning of 12/19/2023, no indication (visual sheen or smell) of a release was present at Outfall 002, but trace levels of diesel were detected in a sample taken later that day. The cause/source appears to be localized petroleum affected water seeping into the storm drain near Building Z5 at Knolls upper level from a roof/floor drain line that drains into CB 002-206. This RONE is an update to the 5-Day submitted on 12/21/2023.

**Has event ceased?** Yes **If so, when?** 12/19/2023 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 12/18/2023, 0830 am **End date, time of event:** 12/19/2023 0700 am

**Date, time oral notification made to DEC?** 12/18/2023, 1012 am **DEC Official contacted:** James Malcolm, P.E., Division of Water

**Immediate corrective actions:**

Absorbent booms were placed in Outfall 002, CB 002-204, CB 002-202 and the Clara bypass catch basin (002-207) on 12/18/23 which were changed out daily while contamination existed in the system. Additional sampling to investigate the source was executed on 12/19/23 and included water samples from multiple catch basins and Outfall 002. A soil sample of backfill/cuttings adjacent to a newly-installed utility was also collected and analyzed for petroleum-related compounds due to its proximity to the Z5 roof/floor drain line and the diesel odors noted emanating from the pole. Analyses included DRO, Gasoline Range Organics, STARS Volatiles, STARS Semi-Volatiles, and PET ID. Samples confirmed the presence of diesel fuel. On 12/20/23 a contractor cleaned out the affected catch basins using a vacuum truck. A storm sewer lateral with petroleum infiltration was plugged and runoff was routed around the contamination site. Sampling and observation of the storm sewer confirmed the plugged lateral had been the only location the contamination entered the storm sewer. On 12/21/23, the contractor cleaned affected catch basins again, and the Clara separators.

**Preventive (long term) corrective actions:**

The source of contamination is still under investigation. The plugged Z5 roof/floor drain line has isolated the petroleum from actively entering the storm drain system and the drain line is being diverted to another portion of the drain system. Petroleum was not observed in the portion of the Z5 roof/floor drain line that is planned for the bypass, but rather in an isolated portion near CB 002-206. On 12/28/23, an inactive valve pit located near the Z5 roof/floor drain line and the newly-installed pole contained water with floating petroleum product. A sample of the petroleum/water was collected and analyzed for the same parameters as described above. The accumulated water is being pumped out regularly to remove and containerize the petroleum affected water. A contractor continues work on installation of the permanent bypass of the storm sewer. An Outfall 002 sample from 1/9/24 confirmed that the trace levels of diesel previously detected were no longer present. On 1/10/24, a sample (wipe) of the newly-installed pole was collected and analyzed for petroleum-related compounds. To support the investigation, a laboratory comparison/evaluation by our subcontracted analytical laboratory of the sample chromatograms for the catch basin water samples, pole soil, vault product, and pole wipe was performed. The analytical laboratory concluded that all samples are a close match for diesel fuel, however, a definitive source cannot be concluded. Absorbent booms are still in use in downstream storm sewer catch basins to prevent any further release to the environment. A soil investigation (e.g., soil borings/test pits) is currently being planned and will be performed by KAPL and/or subcontractors. The analytical results/lab assessment findings generally indicate that the diesel composition is predominately not weathered, indicating a more recent petroleum source. NYSDEC will be kept apprised of the bypass work and the soil/source investigation as they progress.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** RES Manager **Date:** 1/26/2024

**Phone #:** ( 518 ) 395-7167 **Fax #:** ( 518 ) 612-5848

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2024.01.26 13:01:26 -05'00'

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

| | | |
|---|---|---|
| **REGION 1**<br>Regional Water Engineer<br>NYS SUNY , Bldg. 40<br>Loop Road<br>Stony Brook, NY 11790-2356<br>Phone: 631-444-0405 Fax: 631-444-0373<br>**Counties:**<br>Nassau Suffolk | **REGION 2**<br>Regional Water Engineer<br>One Hunters Point Plaza<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Phone: 718-482-4900 Fax: 718-482-6516<br>**Counties:** Queens Bronx<br>New York Richmond Kings | **REGION 3** **<br>Regional Water Engineer<br>21 So. Putt Corners Rd<br>New Paltz, NY 12561-1696<br>Phone: 845-256-3000 Fax: 845-255-0714<br>**Counties:** Rockland Dutchess<br>Sullivan Orange Ulster<br>Putnam Westchester |
| **REGION 4**<br>Regional Water Engineer<br>1150 North Westcott Rd.<br>Schenectady, NY 12306-2014<br>Phone: 518-357-2045 Fax: 518-357-2398<br>**Counties:** Montgomery Albany<br>Otsego Rensselaer Columbia<br>Delaware Schoharie Greene<br>Schenectady | **REGION 5** **<br>Regional Water Engineer<br>Route 86, P.O. Box 296<br>Ray Brook N.Y. 12977-0296<br>Phone: 518-897-1241 Fax: 518-897-1245<br>**Counties:**<br>Clinton Hamilton Franklin<br>Essex Saratoga Warren<br>Fulton Washington | **REGION 6** **<br>Regional Water Engineer<br>Region 6 Suboffice<br>State Office Bldg.<br>207 Genesee St.<br>Utica, NY 13500<br>Phone: 315-793-2554 Fax: 315-793-2748<br>**Counties:** Lewis Jefferson<br>Herkimer Oneida St. Lawrence |
| **REGION 7**<br>Regional Water Engineer<br>615 Erie Blvd West<br>Syracuse, NY 13204-2400<br>Phone: 315-426-7506 Fax: 315-426-7402<br>**Counties:** Madison Cayuga<br>Broome Onondaga Oswego<br>Chenango Tioga Tompkins<br>Cortland | **REGION 8**<br>Regional Water Engineer<br>6274 East Avon-Lima Rd<br>Avon, NY 14414-9519<br>Phone: 585-226-2466 Fax: 585-226-2830<br>**Counties:** Orleans Genessee<br>Chemung Schuyler Seneca<br>Livingston Steuben Ontario<br>Monroe Wayne Yates | **REGION 9**<br>Regional Water Engineer<br>270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Phone: 716-851-7070 Fax: 716-851-7009<br>**Counties:** Allegany Erie<br>Cattaraugus Niagara Wyoming<br>Chautauqua |

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd.., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 44.0 | = | 47.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.21 | = | 0.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.3 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:39 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 12/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 1.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 57.0 | = | 57.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The copper injection system was secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:39 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3700.0 | = | 4300.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 6.9 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.5 | = | 3.5 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:38 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:38 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.9 | = | 1.9 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:40 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 27000.0 | = | 27000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.3 | = | 1.3 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:36 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:37 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 310000.0 | = | 810000.0 | 07 - gal/d | | | | | | | | 0 | 02/30 - Twice Per Month | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 9.0 | = | 13.0 | 19 - mg/L | 0 | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.6 | 12 - SU | 0 | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.4 | = | 9.5 | 19 - mg/L | 0 | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | 0 | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for building demolition work on site. A total of 8 samples were taken during the quarter

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:37 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 110000.0 | = | 110000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.8 | | | = | 6.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.1 | = | 1.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 07:37 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/23 to 12/31/23** | **DMR Due Date:** | **01/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-01-18 08:06 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-01-26 14:02 (Time Zone: -05:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/24 to 01/31/24** | **DMR Due Date:** | **02/28/24** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 3.0 | = | 3.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 6.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 19.0 | = | 43.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-02-16 06:53 (Time Zone: -05:00) |

## Report Last Signed By

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-02-26 09:31 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 01/31/24** | **DMR Due Date:** | **02/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 39.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 7.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 14.0 | = | 26.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.5 | = | 2.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 270.0 | = | 400.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-02-16 07:02 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-02-26 09:31 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 01/31/24** | **DMR Due Date:** | **02/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 43.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.1 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.6 | | | = | 7.0 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-02-16 07:01 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-02-26 09:31 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 01/31/24** | **DMR Due Date:** | **02/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 35.0 | = | 38.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.24 | = | 1.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 48.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-02-16 07:00 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-02-26 09:31 (Time Zone: -05:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/24 to 01/31/24** | **DMR Due Date:** | **02/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-02-16 06:59 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-02-26 09:31 (Time Zone: -05:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/24 to 02/29/24** | **DMR Due Date:** | **03/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 6.6 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 9.7 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-03-25 13:50 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-03-25 15:22 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/24 to 02/29/24** | **DMR Due Date:** | **03/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 37.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 1.4 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.8 | = | 8.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.3 | = | 1.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.4 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 260.0 | = | 300.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-03-25 13:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-03-25 15:22 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/24 to 02/29/24** | **DMR Due Date:** | **03/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 38.0 | = | 41.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.9 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.7 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-03-25 13:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-03-25 15:22 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 02/01/24 to 02/29/24** | **DMR Due Date:** | **03/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 36.0 | = | 40.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.06 | = | 0.07 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.9 | | | = | 7.2 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.2 | = | 8.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-03-25 13:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-03-25 15:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 02/01/24 to 02/29/24** | **DMR Due Date:** | **03/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-03-25 13:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-03-25 15:22 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | NICHOLAS.BACHMAN |
| Name: | Nicholas Bachman |
| E-Mail: | nicholas.bachman@unnpp.gov |
| Date/Time: | 2024-04-11 14:32 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

## Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

## Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 03/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |

## Considerations for Form Completion

## Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

## No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 30.0 | = | 64.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

## Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

## Edit Check Errors

*No errors.*

## Comments

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

## Attachments

*No attachments.*

## Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:15 (Time Zone: -04:00) |

## Report Last Signed By

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:14 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 46.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 27.0 | = | 62.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.3 | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Net | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 280.0 | = | 340.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:15 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 46.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:18 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 03/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL. | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 45.0 | 15 - deg F | 0 | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.06 | = | 0.09 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 28.0 | = | 28.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 3400.0 | = | 4300.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.5 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.4 | = | 2.4 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:17 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:18 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 12.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:19 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 72000.0 | = | 72000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 9.0 | = | 9.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.8 | | | = | 7.8 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.8 | = | 2.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 210000.0 | = | 430000.0 | 07 - gal/d | | | | | | | | 0 | 01/30 - Monthly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 13.0 | < | 25.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 6.6 | | | = | 7.7 | 12 - SU | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 46.0 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.1 | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for building demolition work on site. A total of 9 samples were taken during the quarter.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

| | | | | | |
|---|---|---|---|---|---|
| ***Permit*** | | | | | |
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |
| ***Report Dates & Status*** | | | | | |
| **Monitoring Period:** | **From 01/01/24 to 03/31/24** | **DMR Due Date:** | **04/28/24** | **Status:** | **NetDMR Validated** |
| ***Considerations for Form Completion*** | | | | | |
| ***Principal Executive Officer*** | | | | | |
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |
| ***No Data Indicator (NODI)*** | | | | | |
| **Form NODI:** | -- | | | | |

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 240000.0 | = | 240000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.7 | | | = | 7.7 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.4 | = | 8.4 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-04-22 09:17 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-04-25 14:16 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 04/30/24** | **DMR Due Date:** | **05/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 10.0 | = | 20.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

User: KODI.GOWER

| | |
|---|---|
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-05-21 11:13 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-05-23 12:32 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 04/30/24** | **DMR Due Date:** | **05/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 49.0 | = | 57.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.9 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 8.2 | = | 15.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.04 | = | 0.2 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | < | 5.2 | < | 5.3 | 19 - mg/L | | 06/30 - Six Per Month | GR - GRAB |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 180.0 | = | 230.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. Extra oil and grease sample taken on 4/5/2024 for information.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-05-21 11:12 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-05-23 12:32 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 04/30/24** | **DMR Due Date:** | **05/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 50.0 | = | 56.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit | | | | | | | | | | | | 19 - | | | GR - |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | **Req.** | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | | mg/L | | 01/07 - Weekly | GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | | | | | | | | | | | | | | | | | | |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. Extra TSS, oil and grease, and TDS samples were taken on 4/2/24 due to a condensate leak. The spill was reported to NYSDEC and an updated RONE and sample results are attached. The initial RONE was submitted on 4/5/24.

***Attachments***

| Name | Type | Size |
|---|---|---|
| samples03B.pdf | pdf | 715033.0 |
| L3CondensateRONE.pdf | pdf | 1281791.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-05-23 12:16 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-05-23 12:32 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 04/30/24** | **DMR Due Date:** | **05/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 56.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.06 | = | 0.2 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.1 | = | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit | | | | | | | | | | | | 19 - | | | GR - |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | **Req.** | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | | mg/L | | 01/07 - Weekly | GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | | | | | | | | | | | | | | | | | | |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-05-21 11:13 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-05-23 12:32 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, P.E., Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 04/02/2024 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 03B

**Description of noncompliance(s) and cause(s):**

A steam and condensate system float switch didn't operate properly allowing condensate to flow out a vent at Building L3. The condensate flowed over the pavement into Outfall 03B. On 4/2/24 at 1128 hours NNL observed the condensate discharging to the outfall at approximately 0.5 GPM and alerted operators, who stopped the flow at 1145 hours. Per the SPDES Permit the approved water treatment chemicals in the steam heating system are only authorized for discharge at Outfall 002. Upon further investigation it was estimated that the problem had been going on for a few days sporadically, but personnel did not realize it was going to the outfall. Weekly SPDES samples were taken on 4/2/24 while condensate trickled into the outfall. The technician mistook the flow for snow melt. The outfall flow was 1300 gpm, making the condensate a small percentage of total flow. Outfall 03B pH readings were in specification on 4/2/24 at 0830 hours and 1155 hours and on 3/26/24. 03B effluent from 1155 hours was analyzed for TDS in addition to the weekly required samples for TSS, Oil & Grease, pH, temperature, & flow, so that parameters matched those sampled at Outfall 002, where condensate discharge is authorized. All results and visual indications for 03B were typical and in specification. This RONE is an update to the 5-Day submitted on 4/5/2024.

**Has event ceased?** Yes **If so, when?** 4/02/2024 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 04/02/2024, 1128 am **End date, time of event:** 04/02/2024 1145 am

**Date, time oral notification made to DEC?** 04/03/2024, 1051 am **DEC Official contacted:** James Malcolm, P.E., Division of Water

**Immediate corrective actions:**

The condensate pump was cycled by system operators, which stopped the release less than 20 minutes after discovery. Operators monitored the system periodically for the rest of the day while a temporary bypass connection was made. The condensate was redirected with a hose to a catch basin that drains to Outfall 002 - the outfall authorized for the water treatment chemicals in steam and condensate. NNL investigated whether a sample taken from Outfall 03B at 0830 hours for the weekly SPDES samples could be analyzed for any of the compounds present in the water treatment chemicals used in the steam and condensate. The subcontractor lab was not able to analyze for the specific compounds. NYSDEC (J. Malcolm) was notified within 24 hours and requested NNL sample for the same parameters at Outfall 03B as are done for Outfall 002. The additional analysis of TDS was completed by the lab on 4/5/24 for the 4/2/24 sample from 03B, which made 03B analyses parameters the same as Outfall 002. It is estimated that roughly 1000 gallons of condensate may have gone out Outfall 03B over several days. This amount is small compared to the 5000 gallons of boiler blowdown discharged daily at 002 in compliance with the water treatment chemical limits.

**Preventive (long term) corrective actions:**

The following update is provided to the initial RONE: Site personnel checked other areas of the site for similar problems with condensate discharges; no active discharges were found. Site Engineering continues to investigate if the potential exists for a similar problem in any other parts of the condensate system. Improvements will be made as required to help ensure any condensate effluent to an outfall resulting from equipment failures is directed to Outfall 002, in compliance with the SPDES permit. Parts for the repair of the malfunctioning pumping station have been ordered and are expected to arrive this week (6-week lead time from the week of 4/8/2024). The repair will be completed during the summer steam shutdown which began the week of 5/13/24.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Erica Myers **Title:** Department Manager **Date:** 05/23/2024

**Phone #:** ( 518 ) 395-7167 **Fax #:** (  )

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ERICA MYERS (Affiliate) Digitally signed by ERICA MYERS (Affiliate) Date: 2024.05.23 11:35:56 -04'00'

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

**REGION 1**

Regional Water Engineer
NYS SUNY , Bldg. 40
Loop Road
Stony Brook, NY 11790-2356
Phone: 631-444-0405 Fax: 631-444-0373
**Counties:**
Nassau Suffolk

**REGION 2**

Regional Water Engineer
One Hunters Point Plaza
47-40 21st St.
Long Island City, NY 11101-5407
Phone: 718-482-4900 Fax: 718-482-6516
**Counties:** Queens Bronx
New York Richmond Kings

**REGION 3** **

Regional Water Engineer
21 So. Putt Corners Rd
New Paltz, NY 12561-1696
Phone: 845-256-3000 Fax: 845-255-0714
**Counties:** Rockland Dutchess
Sullivan Orange Ulster
Putnam Westchester

**REGION 4**

Regional Water Engineer
1150 North Westcott Rd.
Schenectady, NY 12306-2014
Phone: 518-357-2045 Fax: 518-357-2398
**Counties:** Montgomery Albany
Otsego Rensselaer Columbia
Delaware Schoharie Greene
Schenectady

**REGION 5** **

Regional Water Engineer
Route 86, P.O. Box 296
Ray Brook N.Y. 12977-0296
Phone: 518-897-1241 Fax: 518-897-1245
**Counties:**
Clinton Hamilton Franklin
Essex Saratoga Warren
Fulton Washington

**REGION 6** **

Regional Water Engineer
Region 6 Suboffice
State Office Bldg.
207 Genesee St.
Utica, NY 13500
Phone: 315-793-2554 Fax: 315-793-2748
**Counties:** Lewis Jefferson
Herkimer Oneida St. Lawrence

**REGION 7**

Regional Water Engineer
615 Erie Blvd West
Syracuse, NY 13204-2400
Phone: 315-426-7506 Fax: 315-426-7402
**Counties:** Madison Cayuga
Broome Onondaga Oswego
Chenango Tioga Tompkins
Cortland

**REGION 8**

Regional Water Engineer
6274 East Avon-Lima Rd
Avon, NY 14414-9519
Phone: 585-226-2466 Fax: 585-226-2830
**Counties:** Orleans Genessee
Chemung Schuyler Seneca
Livingston Steuben Ontario
Monroe Wayne Yates

**REGION 9**

Regional Water Engineer
270 Michigan Avenue
Buffalo, NY 14203-2999
Phone: 716-851-7070 Fax: 716-851-7009
**Counties:** Allegany Erie
Cattaraugus Niagara Wyoming
Chautauqua

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd.., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

**Experience is the solution**
314 North Pearl Street ♦ Albany, New York 12207
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

April 08, 2024

Daniel Haffey
Knolls Atomic Power Laboratory
PO Box 1072
Schenectady, NY 12301

TEL: (518) 395-6040

Work Order No: 240404057
PO#: 140543
Project# : KN-RES-24-083

RE: Wastewater
Knolls Lab

Adirondack Environmental Services, Inc received 1 sample on 4/4/2024 for the analyses presented in the following report.

Please see case narrative for specifics on analysis.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

ELAP#: 10709

Tara Daniels
Laboratory Director

## Adirondack Environmental Services, Inc — CASE NARRATIVE

**Knolls Atomic Power Laboratory**

Wastewater

Knolls Lab

**Date:** *08-Apr-24*

**Lab WorkOrder:** **240404057**

Sample containers were supplied by Adirondack Environmental Services.

**Definitions - RL: Reporting Limit DF: Dilution factor**

**Qualifiers:**

- ND : Not Detected at reporting limit
- J: Analyte detected below quantitation limit
- B: Analyte detected in Blank
- X : Exceeds maximum contamination limit
- H: Hold time exceeded
- N: Matrix Spike below acceptable limits
- N+: Matrix Spike is above acceptable limits
- C: CCV below acceptable Limits
- C+: CCV above acceptable Limits
- S: LCS Spike recovery is below acceptable limits
- S+: LCS Spike recovery is above acceptable limits
- Z: Duplication outside acceptable limits
- T : Tentatively Identified Compound-Estimated
- E :Above quantitation range-Estimated

**Note : All Results are reported as wet weight unless noted**

**The results relate only to the items tested. Information supplied by the client is assumed to be correct.**

# Adirondack Environmental Services, Inc

**Date:** *08-Apr-24*

**CLIENT:** Knolls Atomic Power Laboratory
**Work Order:** **240404057**
**Reference:** Wastewater / Knolls Lab
**PO#:** 140543
**Project# :** KN-RES-24-083

**Client Sample ID:** 03B
**Collection Date:** 4/2/2024 11:55:00 AM
**Lab Sample ID:** 240404057-001
**Matrix:** WASTEWATER

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **OIL AND GREASE - EPA 1664A** | | | | | | Analyst: **KC** |
| **( Prep: E1664 - 4/5/2024 )** | | | | | | |
| Oil & Grease | **ND** | 5.1 | S | mg/L | 1 | 4/5/2024 |
| **TOTAL DISSOLVED SOLIDS - SM 2540C-2015** | | | | | | Analyst: **LH** |
| **( Prep: Gen Prep - 4/4/2024 )** | | | | | | |
| TDS (Residue, Filterable) | **50** | 5 | | mg/L | 1 | 4/8/2024 |
| **TOTAL SUSPENDED SOLIDS - SM 2540D-2015** | | | | | | Analyst: **NI** |
| **( Prep: Gen Prep - 4/4/2024 )** | | | | | | |
| TSS (Residue, Non-Filterable) | **2.3** | 1.0 | | mg/L | 1 | 4/5/2024 |

Adirondack Environmental Services, Inc.
314 North Pearl Street
Albany, NY 12207
518-434-4546 / FAX: 518-434-0891

EXPERIENCE IS THE SOLUTION

# CHAIN OF CUSTODY RECORD

AES Work Order#: 240404057

COC Reference:

A full service analytical research laboratory offering solutions to environmental concerns

| | | |
|---|---|---|
| Client Name:KAPL | Address:KNOLLS SITE, 2401 River Road, Niskayuna, NY 12309 | |
| Send Report to:Daniel Haffey | Project Name (Location):Knolls Lab | Samplers Name: Haffey/Hodsoll |
| Client Phone #:518-395-6040 | Client PO #:KN-RES-24-083 | Samplers Signature: |
| Client Email:(see below) | | |

| AES Sample Number | Client Sample Identification & Location | Date Sampled | Time A=am P=pm | Sample Type Matrix | C | G | # of Cont's | Preservative | Analysis |
|---|---|---|---|---|---|---|---|---|---|
| 001 | O3B | 4/2/2024 | 1155 | WW | | X | 3 | | Oil & Grease, TSS, TDS |
| | | | | | | | | | Used a TSS Bottle for TDS Sample. |

4/3/24

**Shipment Arrived Via:**
FedEx UPS Client AES Other:_____

***Turnaround Time Requested:***
1 Day 2 Day 3 Day 5 Day Standard
NOTE: Samples received after 3:30pm are considered next business day.

Special Instructions/Remarks: PO# 140543

Please email results to:
daniel.haffey@unnpp.gov, william.gullickson@unnpp.gov
jessica.hodsoll@unnpp.gov, kodi.gower@unnpp.gov

| | | Date | Time |
|---|---|---|---|
| Relinquished by: (Signature) | Received by: (Signature) | 4/4/24 | 9:15 |
| Relinquished by: (Signature) | Received by: (Signature) | Date | Time |
| Relinquished by: (Signature) | Received for Laboratory by: | 4/4/24 | 15:30 |

**Sample Temperature**
Ambient ~ Chilled ~ Chilling Begun
Notes:
4°C

**Custody Seal Intact: Y / N**

**Bottles AES: Y / N**

**Properly Preserved: Y / N**

0=None
1=$H_2SO_4$ pH<2
2=$HNO_3$ pH<2
3=HCl pH<2
4=$Na_2S_2O_3$
5=$NH_4Cl$
6=Ascorbic Acid
7=FAS
8=ZnAc/NaO
9=NaOH pH
10=Other__

**Received Within Holding Times: Y / N**

Notes:

Demo
240404057

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# TERMS, CONDITIONS & LIMITATIONS

All service rendered by the **Adirondack Environmental Services, Inc.** are undertaken and all rates are based upon the following terms:

(a) Neither **Adirondack Environmental Services, Inc.,** nor any of its employees, agents or sub-contractors shall be liable for any loss or damage arising out of **Adirondack Environmental Services, Inc.'s** performance or nonperformance, whether by way of negligence or breach of contract, or otherwise, in any amount greater than twice the amount billed to the customer for the work leading to the claim of the customer. Said remedy shall be the sole and exclusive remedy against **Adirondack Environmental Services, Inc.** arising out of its work.

(b) All claims made must be in writing within forty-five (45) days after delivery of the **Adirondack Environmental Services, Inc.** report regarding said work or such claim shall be deemed or irrevocably waived.

(c) **Adirondack Environmental Services, Inc.** reports are submitted in writing and are for our customers only. Our customers are considered to be only those entities being billed for our services. Acquisition of an **Adirondack Environmental Services, Inc.** report by other than our customer does not constitute a representation of **Adirondack Environmental Services, Inc.** as to the accuracy of the contents thereof.

(d) In no event shall **Adirondack Environmental Services, Inc.,** its employees, agents or sub-contractors be responsible for consequential or special damages of any kind or in any amount.

(e) No deviation from the terms set forth herein shall bind **Adirondack Environmental Services, Inc.** unless in writing and signed by a Director of **Adirondack Environmental Services, Inc.**

(f) Results pertain only to items analyzed. Information supplied by client is assumed to be correct. This information may be used on reports and in calculations and **Adirondack Environmental Services, Inc.** is not responsible for the accuracy of this information.

(g) Payments by Credit Card/Purchase Cards are subject to a 3% additional charge.

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 04/30/24** | **DMR Due Date:** | **05/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Erica | **Title:** | Department Manager | **Telephone:** | 518-395-7167 |
| **Last Name:** | Myers | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/01/23. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-05-21 11:15 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | erica.myers@unnpp.gov |
| Name: | Erica Myers |
| E-Mail: | erica.myers@unnpp.gov |
| Date/Time: | 2024-05-23 12:32 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/24 to 05/31/24** | **DMR Due Date:** | **06/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.5 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.7 | = | 15.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Copper ion generator started on 5/1/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-06-13 15:47 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-06-17 11:55 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/24 to 05/31/24** | **DMR Due Date:** | **06/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 46.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.6 | = | 6.6 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.1 | = | 0.2 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 0.0083 | = | 0.014 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.077 | = | 0.12 | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 230.0 | = | 250.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator started on 5/1/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-06-13 15:48 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-06-17 11:59 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/24 to 05/31/24** | **DMR Due Date:** | **06/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 43.0 | = | 46.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2.0 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 0.0065 | = | 0.013 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.049 | = | 0.13 | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

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***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator started on 5/1/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-06-13 15:48 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-06-17 11:59 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/24 to 05/31/24** | **DMR Due Date:** | **06/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 45.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.065 | = | 0.089 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.6 | = | 6.6 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 0.006 | = | 0.009 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.001 | = | 0.002 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Copper ion generator started on 5/1/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-06-13 15:49 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-06-17 11:59 (Time Zone: -04:00) |

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Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 05/01/24 to 05/31/24** | **DMR Due Date:** | **06/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.13 | = | 0.25 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper ion generator started on 5/1/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-06-13 15:49 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-06-17 11:59 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 2.9 | = | 3.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 8.9 | = | 12.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.003 | < | 0.003 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-07-24 07:52 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.3 | = | 2.2 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 8.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.8 | = | 9.6 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.1 | = | 0.2 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.2 | < | 5.3 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 0.022 | = | 0.069 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.03 | = | 0.05 | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 630.0 | = | 1900.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurement except for 6/4/24 and 6/5/24 due to maintenance. Daily flow estimates were made 6/4/24 and 6/5/24 for the low flow conditions. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2024-07-23 13:28 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 73.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.78 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.7 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.002 | = | 0.006 | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurement except for 6/18/24 through 6/30/24 due to maintenance. Daily flow measurements and weekly temperature grabs were taken 6/18/24 through 6/30/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2024-07-23 13:24 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 77.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.82 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.8 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.2 | = | 4.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 0.004 | = | 0.005 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.009 | = | 0.02 | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-07-10 16:27 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 2900.0 | = | 2900.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 7.6 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.1 | = | 3.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-07-05 13:02 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-07-05 13:07 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 140.0 | = | 140.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 12.0 | = | 12.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2024-07-18 12:45 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1000.0 | = | 1000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 21.0 | = | 21.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.9 | = | 3.9 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-07-10 16:51 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-07-08 11:37 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 70000.0 | = | 220000.0 | 07 - gal/d | | | | | | | | 0 | XX/XX - Frequency as Reported | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 12.0 | = | 28.0 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 8.0 | 12 - SU | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 7.1 | = | 13.0 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for soil disturbance work in an area with low levels of contaminants on site. A total of 8 samples were taken during the quarter.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-07-23 13:32 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 04/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 160000.0 | = | 260000.0 | 07 - gal/d | | | | | | | | 0 | 02/90 - Twice Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 11.0 | = | 16.0 | 19 - mg/L | 0 | 02/90 - Twice Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.6 | | | = | 8.2 | 12 - SU | 0 | 02/90 - Twice Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.9 | = | 2.5 | 19 - mg/L | 0 | 02/90 - Twice Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.3 | < | 5.3 | 19 - mg/L | 0 | 02/90 - Twice Every Quarter | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-07-18 13:30 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 06/01/24 to 06/30/24** | **DMR Due Date:** | **07/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.04 | = | 0.07 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | DANHAFFEY |
| Name: | Dan Haffey |
| E-Mail: | daniel.haffey@unnpp.gov |
| Date/Time: | 2024-07-18 13:40 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-07-24 14:17 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 07/31/24** | **DMR Due Date:** | **08/28/24** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 1.5 | = | 2.9 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.7 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 4.9 | = | 6.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.003 | < | 0.003 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Installed Instrumentation provides continuous flow measurements. The River Water System was secured for maintenance starting on 7/17/24 and continuing through the end of July, resulting in no flow for this time period. The copper ion generator was secured 7/17/24. Adirondack Environmental Services ELAP #10709. An updated RONE is attached for a water main break that occurred on 7/11/24 that affected turbidity at Outfall 005.

### *Attachments*

| Name | Type | Size |
|---|---|---|
| RONEforWaterMainto005.pdf | pdf | 218797.0 |

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-08-28 07:34 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-08-28 10:14 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, P.E., Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 07/11/2024 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 005

**Description of noncompliance(s) and cause(s):**

A water main break occurred at the upper level of the Knolls Site near Building T1, at 4:00 PM on 7/11/24. The pressurized water flowed under the pavement directly into the side of a stormwater catch basin under the cover frame, carrying soil with it. The catch basin drains to a wetland on the east side of the site which in turn drains to a stream leading to Outfall 005. NNL personnel arrived at Outfall 005 at 5PM and observed sediment-laden water flowing through the outfall to the Mohawk River. The river was very clear at that time and a small plume of sediment-laden water was observed in the shallows at the edge of the river. Facility personnel were able to determine and isolate the leaking water main by 5:15 PM. Flow at 005 was observed to decrease to a normal dry weather flow rate over the next hour and 15 minutes. By 6:30 PM the water discharging from 005 was mostly clear again. The shallows at the edge of the river at 005 were clearing up. It is estimated that roughly 5,000 to 10,000 gallons of water may have gone out Outfall 005 during the event.

**Has event ceased?** Yes **If so, when?** 7/11/2024 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 07/11/2024, 4:00 pm **End date, time of event:** 07/11/2024 6:30 pm

**Date, time oral notification made to DEC?** 07/11/2024, 5:29 pm **DEC Official contacted:** James Malcolm, P.E., Division of Water

**Immediate corrective actions:**

The system operators and facility engineers responded within a few minutes and began working to determine the source of the water and isolate it. The leakage was determined to be from a 4 inch diameter underground drinking water main supplying Buildings P6 and P7. The leak was isolated by 5:15 PM after setting conditions for a loss of municipal water in adjacent buildings. Environmental Controls personnel determined that the water would drain to Outfall 005 and arrived at the outfall at 5PM to monitor the discharge. Samples were taken for Total Suspended Solids (TSS) at 5:10 PM, 6:00 PM, and 6:30 PM. Over this time period, flow decreased to a normal rate for dry weather conditions and the water cleared up significantly, from a TSS of 418 mg/L at 5:10 PM, 108 mg/L at 6:00 PM, and 54 mg/L at 6:30 PM. NYSDEC (J. Malcolm) was notified well within 24 hours of discovery.

**Preventive (long term) corrective actions:**

Site personnel immediately began planning for a repair of the water main. A subcontractor was mobilized and began excavation to locate the damaged piping on 7/12/24. Work continued into the weekend. A repair was completed on 7/13/24 and the system was pressure tested to verify no additional leaks existed. NNL cleaned and refurbished the check dam area upstream of Outfall 005 on 7/24/24 to improve solids removal. NNL will also clean sediment from the affected catchbasins within the next few weeks. An update will be provided with the September Outfall 005 DMR.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Chris Corbari **Title:** ESH Director **Date:** 8/28/2024

**Phone #:** ( 518 ) 395-4456 **Fax #:** (  )

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CHRISTOPHER CORBARI (Affiliate) Digitally signed by CHRISTOPHER CORBARI (Affiliate) Date: 2024.08.28 06:27:56 -04'00'

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

| | | |
|---|---|---|
| **REGION 1**<br>Regional Water Engineer<br>NYS SUNY , Bldg. 40<br>Loop Road<br>Stony Brook, NY 11790-2356<br>Phone: 631-444-0405 Fax: 631-444-0373<br>**Counties:**<br>Nassau Suffolk | **REGION 2**<br>Regional Water Engineer<br>One Hunters Point Plaza<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Phone: 718-482-4900 Fax: 718-482-6516<br>**Counties:** Queens Bronx<br>New York Richmond Kings | **REGION 3** **<br>Regional Water Engineer<br>21 So. Putt Corners Rd<br>New Paltz, NY 12561-1696<br>Phone: 845-256-3000 Fax: 845-255-0714<br>**Counties:** Rockland Dutchess<br>Sullivan Orange Ulster<br>Putnam Westchester |
| **REGION 4**<br>Regional Water Engineer<br>1150 North Westcott Rd.<br>Schenectady, NY 12306-2014<br>Phone: 518-357-2045 Fax: 518-357-2398<br>**Counties:** Montgomery Albany<br>Otsego Rensselaer Columbia<br>Delaware Schoharie Greene<br>Schenectady | **REGION 5** **<br>Regional Water Engineer<br>Route 86, P.O. Box 296<br>Ray Brook N.Y. 12977-0296<br>Phone: 518-897-1241 Fax: 518-897-1245<br>**Counties:**<br>Clinton Hamilton Franklin<br>Essex Saratoga Warren<br>Fulton Washington | **REGION 6** **<br>Regional Water Engineer<br>Region 6 Suboffice<br>State Office Bldg.<br>207 Genesee St.<br>Utica, NY 13500<br>Phone: 315-793-2554 Fax: 315-793-2748<br>**Counties:** Lewis Jefferson<br>Herkimer Oneida St. Lawrence |
| **REGION 7**<br>Regional Water Engineer<br>615 Erie Blvd West<br>Syracuse, NY 13204-2400<br>Phone: 315-426-7506 Fax: 315-426-7402<br>**Counties:** Madison Cayuga<br>Broome Onondaga Oswego<br>Chenango Tioga Tompkins<br>Cortland | **REGION 8**<br>Regional Water Engineer<br>6274 East Avon-Lima Rd<br>Avon, NY 14414-9519<br>Phone: 585-226-2466 Fax: 585-226-2830<br>**Counties:** Orleans Genessee<br>Chemung Schuyler Seneca<br>Livingston Steuben Ontario<br>Monroe Wayne Yates | **REGION 9**<br>Regional Water Engineer<br>270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Phone: 716-851-7070 Fax: 716-851-7009<br>**Counties:** Allegany Erie<br>Cattaraugus Niagara Wyoming<br>Chautauqua |

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd.., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

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***Permit***

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| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 07/31/24** | **DMR Due Date:** | **08/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 83.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.9 | = | 1.8 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.9 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 3.5 | = | 5.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.0 | = | 2.4 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.049 | = | 0.06 | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 500.0 | = | 980.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance starting on 7/17/24 and continuing through the end of July, resulting in no river water flow for this time period. The copper ion generator was secured on 7/17/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-08-21 10:42 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-08-28 10:14 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 07/31/24** | **DMR Due Date:** | **08/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 73.0 | = | 80.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.004 | = | 0.01 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 6.7 | = | 6.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.005 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.0001 | = | 0.00002 | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation for continuous flow and temperature measurements was out of service for maintenance from 7/1/24 to 7/22/24. The River Water System was secured for maintenance starting on 7/17/24 and continuing through the end of July, resulting in no river water flow for this time period. The copper ion generator was secured on 7/17/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-08-21 10:39 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-08-28 10:14 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 07/31/24** | **DMR Due Date:** | **08/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 74.0 | = | 82.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.64 | = | 1.3 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.6 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.7 | = | 5.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.004 | = | 0.01 | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance starting on 7/17/24 and continuing through the end of July, resulting in no river water flow for this time period. The copper ion generator was secured on 7/17/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-08-21 10:48 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-08-28 10:14 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 07/31/24** | **DMR Due Date:** | **08/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 519-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.05 | = | 0.07 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was secured 7/17/24. Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-08-21 10:41 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-08-28 10:14 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/24 to 08/31/24** | **DMR Due Date:** | **09/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 0.24 | = | 2.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 9.7 | = | 9.7 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 0.005 | = | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. The River Water System was secured for maintenance starting on 7/17/24 until 8/29/24, resulting in no flow for this time period. The copper ion generator was secured 7/17/24 through 8/29/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-09-23 14:20 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-09-27 07:50 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/24 to 08/31/24** | **DMR Due Date:** | **09/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 67.0 | = | 72.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.11 | = | 0.86 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 8.0 | 12 - SU | | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.0 | = | 9.5 | 19 - mg/L | | XX/XX - Frequency as Reported | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 4.0 | = | 9.5 | 19 - mg/L | | XX/XX - Frequency as Reported | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | < | 5.1 | < | 5.3 | 19 - mg/L | | XX/XX - Frequency as Reported | GR - GRAB |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | **Permit Req.** | | | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | **Sample** | | | | | | | | | = | 0.075 | = | 0.075 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | **Permit Req.** | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.027 | = | 0.027 | 26 - lb/d | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | **Sample** | | | | | | | | | = | 790.0 | = | 1200.0 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | 06 - COMP-6 |
| | | | | | **Permit Req.** | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance 7/17/24 through 8/29/2024. River water flow to Outfall 002 was not fully restored until 9/3/2024. The copper ion generator was secured 7/17/24 through 8/29/24. Five sets of weekly samples were taken in August. An extra set of samples was obtained the day River Water was restarted, although no significant river water was discharged until 9/3/2024. Flow was estimated for three days due to flow instrumentation being down for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-09-26 15:53 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-09-27 07:51 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/24 to 08/31/24** | **DMR Due Date:** | **09/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 71.0 | = | 72.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.16 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.2 | < | 5.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.007 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.01 | = | 0.01 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance 7/17/24 through 8/29/24, resulting in no river water flow for this time period. The copper ion generator was secured 7/17/24 through 8/29/24. Only occasional stormwater runoff discharged through Outfall 03B until River Water was restarted, resulting in only one set of weekly samples for August. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-09-26 15:51 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-09-27 07:51 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/24 to 08/31/24** | **DMR Due Date:** | **09/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 67.0 | = | 73.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.098 | = | 1.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 8.0 | 12 - SU | | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.6 | = | 8.4 | 19 - mg/L | | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 02/30 - Twice Per Month | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | = | 0.006 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | **Permit Req.** | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | | 19 - mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.008 | = | 0.008 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance 7/17/24 through 8/29/24, resulting in no river water flow for this time period. The copper ion generator was secured 7/17/24 through 8/29/24. Five weekly pH grabs were taken in August. One extra set of samples was obtained the day River Water was restarted. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-09-26 15:58 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-09-27 07:51 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 08/01/24 to 08/31/24** | **DMR Due Date:** | **09/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.05 | = | 0.05 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

The copper ion generator was secured 7/17/24 through 8/29/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-09-23 14:23 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-09-27 07:51 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 3.4 | = | 3.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.7 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.8 | = | 11.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.004 | < | 0.005 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-11 08:47 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 72.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.6 | = | 2.1 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 6.4 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.1 | < | 5.2 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 0.0098 | = | 0.015 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.09 | = | 0.14 | 26 - lb/d | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 190.0 | = | 230.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. River water flow was secured to Outfall 002 9/1/24 and 9/2/24 for maintenance. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-15 08:46 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 72.0 | = | 73.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 2.0 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.6 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.7 | = | 0.7 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.006 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.02 | = | 0.04 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-09 14:22 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 70.0 | = | 73.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.42 | = | 0.88 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 13.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.007 | = | 0.008 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.01 | = | 0.01 | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-15 08:45 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1800.0 | = | 2900.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.8 | = | 2.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-10 09:29 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-09 14:49 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 320.0 | = | 840.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 17.0 | = | 17.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-09 14:54 (Time Zone: -04:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 8500.0 | = | 8500.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 28.0 | = | 28.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.2 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 24.0 | = | 24.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-10-09 14:32 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-09 14:34 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 24000.0 | = | 54000.0 | 07 - gal/d | | | | | | | | 0 | XX/XX - Frequency as Reported | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 27.0 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.9 | 12 - SU | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 63.0 | = | 420.0 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.2 | 19 - mg/L | 0 | XX/XX - Frequency as Reported | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for soil disturbance work in an area with low levels of contaminants on site. A total of 9 samples were taken during the quarter for flow rate, pH, oil and grease, and COD. Three additional TSS samples were taken during a water main break that occurred on 7/11/24, resulting in a total of 12 samples taken. An updated RONE for the water main break is attached.

***Attachments***

| Name | Type | Size |
|---|---|---|
| RONEwatermainbreak005.pdf | pdf | 884969.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-23 15:05 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, P.E., Division of Water ***DEC Region:*** 4

***Report Type:*** ___ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 07/11/2024 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 005

**Description of noncompliance(s) and cause(s):**

A water main break occurred at the upper level of the Knolls Site near Building T1, at 4:00 PM on 7/11/24. The pressurized water flowed under the pavement directly into the side of a stormwater catch basin under the cover frame, carrying soil with it. The catch basin drains to a wetland on the east side of the site which in turn drains to a stream leading to Outfall 005. NNL personnel arrived at Outfall 005 at 5PM and observed sediment-laden water flowing through the outfall to the Mohawk River. The river was very clear at that time and a small plume of sediment-laden water was observed in the shallows at the edge of the river. Facility personnel were able to determine and isolate the leaking water main by 5:15 PM. Flow at 005 was observed to decrease to a normal dry weather flow rate over the next hour and 15 minutes. By 6:30 PM the water discharging from 005 was mostly clear again. The shallows at the edge of the river at 005 were clearing up. It is estimated that roughly 5,000 to 10,000 gallons of water may have gone out Outfall 005 during the event.

**Has event ceased?** Yes **If so, when?** 7/11/2024 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 07/11/2024, 4:00 pm **End date, time of event:** 07/11/2024 6:30 pm

**Date, time oral notification made to DEC?** 07/11/2024, 5:29 pm **DEC Official contacted:** James Malcolm, P.E., Division of Water

**Immediate corrective actions:**

The system operators and facility engineers responded within a few minutes and began working to determine the source of the water and isolate it. The leakage was determined to be from a 4 inch diameter underground drinking water main supplying Buildings P6 and P7. The leak was isolated by 5:15 PM after setting conditions for a loss of municipal water in adjacent buildings. Environmental Controls personnel determined that the water would drain to Outfall 005 and arrived at the outfall at 5PM to monitor the discharge. Samples were taken for Total Suspended Solids (TSS) at 5:10 PM, 6:00 PM, and 6:30 PM. Over this time period, flow decreased to a normal rate for dry weather conditions and the water cleared up significantly, from a TSS of 418 mg/L at 5:10 PM, 108 mg/L at 6:00 PM, and 54 mg/L at 6:30 PM. NYSDEC (J. Malcolm) was notified well within 24 hours of discovery.

**Preventive (long term) corrective actions:**

Site personnel immediately began planning for a repair of the water main. A subcontractor was mobilized and began excavation to locate the damaged piping on 7/12/24. Work continued into the weekend. A repair was completed on 7/13/24 and the system was pressure tested to verify no additional leaks existed. NNL cleaned and refurbished the check dam area upstream of Outfall 005 on 7/24/24 to improve solids removal. A total of seven catch basins downstream of the water main break were cleaned Monday 9/23/24.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Chris Corbari **Title:** ESH Director **Date:** 10/23/2024

**Phone #:** ( 518 ) 395-4456 **Fax #:** (  )

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CHRISTOPHER CORBARI (Affiliate) Digitally signed by CHRISTOPHER CORBARI (Affiliate) Date: 2024.10.23 14:49:53 -04'00'

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

**REGION 1**

Regional Water Engineer
NYS SUNY , Bldg. 40
Loop Road
Stony Brook, NY 11790-2356
Phone: 631-444-0405 Fax: 631-444-0373
**Counties:**
Nassau Suffolk

**REGION 2**

Regional Water Engineer
One Hunters Point Plaza
47-40 21st St.
Long Island City, NY 11101-5407
Phone: 718-482-4900 Fax: 718-482-6516
**Counties:** Queens Bronx
New York Richmond Kings

**REGION 3** **

Regional Water Engineer
21 So. Putt Corners Rd
New Paltz, NY 12561-1696
Phone: 845-256-3000 Fax: 845-255-0714
**Counties:** Rockland Dutchess
Sullivan Orange Ulster
Putnam Westchester

**REGION 4**

Regional Water Engineer
1150 North Westcott Rd.
Schenectady, NY 12306-2014
Phone: 518-357-2045 Fax: 518-357-2398
**Counties:** Montgomery Albany
Otsego Rensselaer Columbia
Delaware Schoharie Greene
Schenectady

**REGION 5** **

Regional Water Engineer
Route 86, P.O. Box 296
Ray Brook N.Y. 12977-0296
Phone: 518-897-1241 Fax: 518-897-1245
**Counties:**
Clinton Hamilton Franklin
Essex Saratoga Warren
Fulton Washington

**REGION 6** **

Regional Water Engineer
Region 6 Suboffice
State Office Bldg.
207 Genesee St.
Utica, NY 13500
Phone: 315-793-2554 Fax: 315-793-2748
**Counties:** Lewis Jefferson
Herkimer Oneida St. Lawrence

**REGION 7**

Regional Water Engineer
615 Erie Blvd West
Syracuse, NY 13204-2400
Phone: 315-426-7506 Fax: 315-426-7402
**Counties:** Madison Cayuga
Broome Onondaga Oswego
Chenango Tioga Tompkins
Cortland

**REGION 8**

Regional Water Engineer
6274 East Avon-Lima Rd
Avon, NY 14414-9519
Phone: 585-226-2466 Fax: 585-226-2830
**Counties:** Orleans Genessee
Chemung Schuyler Seneca
Livingston Steuben Ontario
Monroe Wayne Yates

**REGION 9**

Regional Water Engineer
270 Michigan Avenue
Buffalo, NY 14203-2999
Phone: 716-851-7070 Fax: 716-851-7009
**Counties:** Allegany Erie
Cattaraugus Niagara Wyoming
Chautauqua

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd.., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 07/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 560.0 | = | 560.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - CALCTD |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.8 | = | 1.8 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2024-10-09 14:44 (Time Zone: -04:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 09/01/24 to 09/30/24** | **DMR Due Date:** | **10/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.1 | = | 0.16 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-10-15 08:48 (Time Zone: -04:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-10-25 13:11 (Time Zone: -04:00) |

# DMR Copy of Record

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 10/31/24** | **DMR Due Date:** | **11/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 3.5 | = | 3.5 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.3 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 8.1 | = | 15.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.003 | = | 0.004 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-11-18 14:25 (Time Zone: -05:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-11-26 15:52 (Time Zone: -05:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 10/31/24** | **DMR Due Date:** | **11/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 69.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.0 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.3 | = | 7.3 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 0.007 | = | 0.009 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.06 | = | 0.1 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | = | 200.0 | = | 230.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Permit Req. | | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - COMP-6 |
| | | | | | Value NODI | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-11-18 14:26 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-11-26 15:52 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 10/31/24** | **DMR Due Date:** | **11/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 64.0 | = | 71.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.5 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.0 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 1.3 | = | 1.3 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.005 | = | 0.006 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.02 | = | 0.03 | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-11-18 14:26 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-11-26 15:52 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 10/31/24** | **DMR Due Date:** | **11/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 60.0 | = | 70.0 | 15 - deg F | | 99/99 - Continuous | MS - MEASRD |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.47 | = | 0.52 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - TOTALZ |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - TOTALZ |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.2 | = | 6.2 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - GRAB |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.006 | = | 0.007 | 19 - mg/L | | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.01 | = | 0.02 | 26 - lb/d | | | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-11-18 14:27 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-11-26 15:52 (Time Zone: -05:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 10/31/24** | **DMR Due Date:** | **11/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.09 | = | 0.1 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - GRAB |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - GRAB |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Adirondack Environmental Services ELAP # 10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-11-12 13:14 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-11-26 15:52 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/24 to 11/30/24** | **DMR Due Date:** | **12/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 3.6 | = | 3.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 5.2 | = | 8.5 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | < | 0.003 | < | 0.003 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-12-05 09:38 (Time Zone: -05:00) |

***Report Last Signed By***

User: CCORBARIKAPL

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-12-26 11:41 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/24 to 11/30/24** | **DMR Due Date:** | **12/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 48.0 | = | 56.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.9 | = | 2.2 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 5.1 | = | 7.7 | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.2 | = | 0.5 | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | Gross | 0 | -- | Req. | | | | | | | | | | AVG | <= | 15.0 DAILY MX | mg/L | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 0.007 | = | 0.01 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.07 | = | 0.07 | 26 - lb/d | | | | | | | | | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 190.0 | = | 240.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-12-05 10:03 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-12-26 11:41 (Time Zone: -05:00) |

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/24 to 11/30/24** | **DMR Due Date:** | **12/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 52.0 | = | 58.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.5 | = | 1.5 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.0 | = | 0.0 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.004 | = | 0.005 | 19 - mg/L | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.01 | = | 0.02 | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-12-05 10:25 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-12-26 11:41 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/24 to 11/30/24** | **DMR Due Date:** | **12/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 47.0 | = | 55.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.67 | = | 0.72 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 4.7 | = | 4.7 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | 1 - Effluent | | | Sample | | | | | | | | = | 0.004 | = | 0.005 | 19 - mg/L | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit | | | | | | | | | Req Mon MO | | | 19 - | | | |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | Gross | 0 | -- | **Req.** | | | | | | | | | | | AVG | | Req Mon DAILY MX | | mg/L | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | **Sample** | = | 0.008 | = | 0.01 | 26 - lb/d | | | | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | **Permit Req.** | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | **Value NODI** | | | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-12-05 11:07 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-12-26 11:41 (Time Zone: -05:00) |

# DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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***Permit***

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

***Report Dates & Status***

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 11/01/24 to 11/30/24** | **DMR Due Date:** | **12/28/24** | **Status:** | **NetDMR Validated** |

***Considerations for Form Completion***

***Principal Executive Officer***

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

***No Data Indicator (NODI)***

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | = | 0.09 | = | 0.11 | 26 - lb/d | | | | | | | | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2024-12-05 11:06 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2024-12-26 11:41 (Time Zone: -05:00) |

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | SUM<br>External Outfall | **Discharge:** | **SUM-M**<br>COPPER ION GENERATOR SUM TOTAL | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Permit Req. | <= | 0.6 MO AVG | <= | 1.1 DAILY MX | 26 - lb/d | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Copper injection system secured 11/19/24. Adirondack Environmental Services ELAP #10709.

### *Attachments*

*No attachments.*

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:36 (Time Zone: -05:00) |

### *Report Last Signed By*

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 001<br>Intake Structure | **Discharge:** | **001-M**<br>INTAKE -RIVER WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 7 - Intake from Stream | 0 | -- | Sample | = | 3.6 | = | 3.7 | 03 - MGD | | | | | | | | 0 | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.5 | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | | Req Mon MINIMUM | | | | Req Mon MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | = | 7.2 | = | 15.0 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 7 - Intake from Stream | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | Req Mon DAILY AV | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709.

### *Attachments*

*No attachments.*

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

User: KODI.GOWER

| | |
|---|---|
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:30 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:17 (Time Zone: -05:00) |

## DMR Copy of Record

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 002<br>External Outfall | **Discharge:** | **002-B**<br>NON-CONTACT COOLING WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

PH WITH MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 35.0 | = | 41.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.8 | = | 2.3 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.5 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.4 | = | 14.0 | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.22 | = | 1.1 | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | < | 5.1 | < | 5.8 | 19 - mg/L | | 08/30 - Eight Every Month | GR - Grab |

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Permit Req. | | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | |
| 70295 | **Solids, total dissolved** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | | = | 310.0 | = | 400.0 | 19 - mg/L | | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Permit Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
| | | | | | Value NODI | | | | | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. Extra oil and grease samples were taken on 12/9/24 and 12/11/24 to verify sheens from personal vehicles did not make it to Outfall 002. A total of three additional samples were taken, all came back with non detectable results. Attached are the annual Water Treatment Chemical Report and certification review of the SPDES BMP.

***Attachments***

| Name | Type | Size |
|---|---|---|
| BMPsigned.pdf | pdf | 153979.0 |
| WTCpage2.pdf | pdf | 284525.0 |
| WTCpage1.pdf | pdf | 1687374.0 |

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-28 13:08 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:17 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03B<br>External Outfall | **Discharge:** | **03B-M**<br>STRAINER BACKWASH & STORM WATE | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 41.0 | = | 45.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1.4 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.4 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | = | 0.2 | = | 0.2 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | <= | 20.0 MO AVG | <= | 40.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.1 | < | 5.1 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit | | | | | | | | | | | | 19 - | | | GR - |

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | mg/L | | 01/07 - Weekly | Grab |
| | | | | | Value NODI | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:35 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03D<br>External Outfall | **Discharge:** | **03D-M**<br>NONCONTACT COOLING AND STORM WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 12/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

PH WITH A MONITORING LOCATION 'P' IS TO BE USED WHEN INTAKE IS GREATER THAN OR EQUAL TO 8.2. PH WITH MONITORING LOCATION '1' IS TO BE USED WHEN INTAKE IS LESS THAN 8.2. FOR THE PH LIMIT THAT DOES NOT APPLY, ENTER 'NODI9' AS SAMPLE RESULT. SEE PERMIT FOR REPORTING RESULTS OF ZEBRA MUSSEL CONTROL.

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00011 | **Temperature, water deg. fahrenheit** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 34.0 | = | 38.0 | 15 - deg F | | 99/99 - Continuous | MS - Measured |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 90.0 DAILY MX | 15 - deg F | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 0.78 | = | 1.7 | 03 - MGD | | | | | | | | | 99/99 - Continuous | TM - Totalizer |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 03 - MGD | | | | | | | | 0 | 01/01 - Daily | TM - Totalizer |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.3 | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | P - See Comments | 0 | -- | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 9.0 MAXIMUM | 12 - SU | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.8 | = | 2.8 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/30 - Monthly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/30 - Monthly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| | | | | | Sample | | | | | | | | | | | | | | | |
| | | | | | Permit | | | | | | | | | | | | 19 - | | | GR - |

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01042 | **Copper, total [as Cu]** | 1 - Effluent Gross | 0 | -- | Req. | | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | mg/L | | 01/07 - Weekly | Grab |
| | | | | | Value NODI | | | | | | | | | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | |
| 01042 | **Copper, total [as Cu]** | 2 - Effluent Net | 0 | -- | Sample | | | | | | | | | | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 26 - lb/d | | | | | | | | | | 01/07 - Weekly | GR - Grab |
| | | | | | Value NODI | | 9 - Conditional Monitoring - Not Required This Period | | 9 - Conditional Monitoring - Not Required This Period | | | | | | | | | | | | |

***Submission Note***

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

***Edit Check Errors***

*No errors.*

***Comments***

Copper injection system secured 11/19/24. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709.

***Attachments***

*No attachments.*

***Report Last Saved By***

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:35 (Time Zone: -05:00) |

***Report Last Signed By***

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

## DMR Copy of Record

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-Q**<br>STORM, GROUND & COOLING WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 1700.0 | = | 3800.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - Calculated |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - Calculated |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 11.0 | = | 11.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program.

### *Attachments*

*No attachments.*

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:33 (Time Zone: -05:00) |

### *Report Last Signed By*

| | |
|---|---|
| User: | CCORBARIKAPL |

| | |
|---|---|
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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### Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03A<br>External Outfall | **Discharge:** | **03A-V**<br>STORM WATER AND GROUNDWATER ACTION LEVEL | | |

### Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### Considerations for Form Completion

### Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

*No errors.*

### Comments

Adirondack Environmental Services ELAP #10709.

### Attachments

*No attachments.*

### Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:34 (Time Zone: -05:00) |

### Report Last Signed By

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 03E<br>External Outfall | **Discharge:** | **03E-Q**<br>STORM, GROUND & COOLING WATER | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 280.0 | = | 700.0 | 07 - gal/d | | | | | | | | 0 | 04/90 - 4 Times Every Quarter | CA - Calculated |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - Calculated |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.1 | | | = | 7.1 | 12 - SU | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 6.0 | = | 6.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 03/90 - Three Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Adirondack Environmental Services ELAP #10709. Additional flow rate measurements were taken in support of another program. Extra oil and grease samples were taken on 11/21/24 to verify sheen from a piece of equipment did not make it to Outfall 03E. A total of two additional samples were taken, all came back with non detectable results.

### *Attachments*

*No attachments.*

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:35 (Time Zone: -05:00) |

### *Report Last Signed By*

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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### Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-Q**<br>STORMWATER RUNOFF | | |

### Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### Considerations for Form Completion

### Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 25000.0 | = | 25000.0 | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - Calculated |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - Calculated |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 15.0 | = | 15.0 | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.3 | | | = | 7.3 | 12 - SU | | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 1.2 | = | 1.2 | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

*No errors.*

### Comments

Adirondack Environmental Services ELAP #10709.

### Attachments

*No attachments.*

### Report Last Saved By

### USDOE-NAVAL REACTORS LAB FIELD OFFICE

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2025-01-17 10:32 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:17 (Time Zone: -05:00) |

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### Permit

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 004<br>External Outfall | **Discharge:** | **004-V**<br>QUARTERLY ACTION LEVELS | | |

### Report Dates & Status

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### Considerations for Form Completion

### Principal Executive Officer

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### No Data Indicator (NODI)

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 01059 | **Thallium, total [as Tl]** | V - See Comments | 0 | -- | Sample | | | | | | | | | | < | 0.5 | 28 - ug/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | | <= | 25.0 DAILY MX | 28 - ug/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

*No errors.*

### Comments

Adirondack Environmental services ELAP #10709.

### Attachments

*No attachments.*

### Report Last Saved By

**USDOE-NAVAL REACTORS LAB FIELD OFFICE**

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-17 10:32 (Time Zone: -05:00) |

### Report Last Signed By

| | |
|---|---|
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:17 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 005<br>External Outfall | **Discharge:** | **005-Q**<br>STORMWATER RUNOFF | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 230000.0 | = | 790000.0 | 07 - gal/d | | | | | | | | 0 | 05/90 - Five Every Quarter | CA - Calculated |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - Calculated |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 13.0 | = | 24.0 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.2 | | | = | 7.5 | 12 - SU | 0 | 05/90 - Five Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 4.7 | = | 8.2 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 05/90 - Five Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Adirondack Environmental Services ELAP #10709. Additional samples were taken per a sampling plan approved by Region 4 for soil disturbance work in an area with low levels of contaminants on site. A total of 5 samples were taken during the quarter.

### *Attachments*

*No attachments.*

### *Report Last Saved By*

***USDOE-NAVAL REACTORS LAB FIELD OFFICE***

| | |
|---|---|
| User: | KODI.GOWER |
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |

| | |
|---|---|
| Date/Time: | 2025-01-17 10:32 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:17 (Time Zone: -05:00) |

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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### *Permit*

| | | | | | |
|---|---|---|---|---|---|
| **Permit #:** | **NY0005851** | **Permittee:** | USDOE-NAVAL REACTORS LAB FIELD OFFICE | **Facility:** | USDOE KNOLLS ATOMIC POWER LAB |
| **Major:** | No | **Permittee Address:** | PO BOX 1069<br>SCHENECTADY, NY 123011069 | **Facility Location:** | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |
| **Permitted Feature:** | 006<br>External Outfall | **Discharge:** | **006-Q**<br>STORMWATER RUNOFF | | |

### *Report Dates & Status*

| | | | | | |
|---|---|---|---|---|---|
| **Monitoring Period:** | **From 10/01/24 to 12/31/24** | **DMR Due Date:** | **01/28/25** | **Status:** | **NetDMR Validated** |

### *Considerations for Form Completion*

### *Principal Executive Officer*

| | | | | | |
|---|---|---|---|---|---|
| **First Name:** | Christopher | **Title:** | ESH Director | **Telephone:** | 518-395-4456 |
| **Last Name:** | Corbari | | | | |

### *No Data Indicator (NODI)*

**Form NODI:** --

| Parameter | | Monitoring Location | Season # | Param. NODI | | Quantity or Loading | | | | | Quality or Concentration | | | | | | | # of Ex. | Frequency of Analysis | Sample Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Name | | | | | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1 | Value 1 | Qualifier 2 | Value 2 | Qualifier 3 | Value 3 | Units | | | |
| 00056 | **Flow rate** | 1 - Effluent Gross | 0 | -- | Sample | = | 200000.0 | = | 200000.0 | 07 - gal/d | | | | | | | | 0 | 01/90 - Quarterly | CA - Calculated |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon DAILY MX | 07 - gal/d | | | | | | | | | 01/90 - Quarterly | CA - Calculated |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00340 | **Oxygen demand, chem. [high level] [COD]** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 22.0 | = | 22.0 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00400 | **pH** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | = | 7.4 | | | = | 7.4 | 12 - SU | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | >= | 6.5 MINIMUM | | | <= | 8.5 MAXIMUM | 12 - SU | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00530 | **Solids, total suspended** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | = | 2.1 | = | 2.1 | 19 - mg/L | 0 | 01/90 - Quarterly | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | | Req Mon DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |
| 00556 | **Oil & Grease** | 1 - Effluent Gross | 0 | -- | Sample | | | | | | | | < | 5.0 | < | 5.0 | 19 - mg/L | 0 | 02/90 - Twice Every Quarter | GR - Grab |
| | | | | | Permit Req. | | | | | | | | | Req Mon MO AVG | <= | 15.0 DAILY MX | 19 - mg/L | | 01/90 - Quarterly | GR - Grab |
| | | | | | Value NODI | | | | | | | | | | | | | | | |

### *Submission Note*

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### *Edit Check Errors*

*No errors.*

### *Comments*

Adirondack Environmental Services ELAP #10709. Extra oil and grease sample was taken on 12/11/2024 due to a leaking personal vehicle in the parking lot. The spill was reported to NYSDEC on 12/11/2024. An updated RONE is attached, the initial RONE was submitted on 12/16/2024.

### *Attachments*

| Name | Type | Size |
|---|---|---|
| 006RONEupdatedsigned2.pdf | pdf | 818633.0 |

### *Report Last Saved By*

### *USDOE-NAVAL REACTORS LAB FIELD OFFICE*

User: KODI.GOWER

| | |
|---|---|
| Name: | Kodi Gower |
| E-Mail: | kodi.gower@unnpp.gov |
| Date/Time: | 2025-01-28 13:07 (Time Zone: -05:00) |
| ***Report Last Signed By*** | |
| User: | CCORBARIKAPL |
| Name: | Christopher Corbari |
| E-Mail: | christopher.corbari@unnpp.gov |
| Date/Time: | 2025-01-28 15:18 (Time Zone: -05:00) |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (April 2024)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit.
**Please note that a change in chemical dose or formulation requires submission of a new WTC authorization request form.**
Additional information is available at the NYSDEC website https://dec.ny.gov/regulatory/permits-licenses/wastewater-stormwater-water-withdrawal/spdes-permit-program/spdes-permitting-water-treatment-chemicals.

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

**Annual Report for Year** 2024

Page 1 of 2

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Copper | Macro Tech | 12/14/2000 | 0.09 | 0.25 | 002,038,03D | | |
| Treatment J-663 | I&C Clean Metal Heat Transfer | 8/9/2006 | 2.8 | 8.8 | 002 | | (1) |
| Treatment J-665 | I&C Clean Metal Heat Transfer | 8/9/2006 | 2.4 | 7.6 | 002 | | (1) |
| Treatment J-669 | I&C Clean Metal Heat Transfer | 8/9/2006 | 2.6 | 8.5 | 002 | | (1) |
| Treatment 52 | I&C Clean Metal Heat Transfer | 8/9/2006 | 1.8 | 6.0 | 002 | | (1) |
| Treatment 63 | I&C Clean Metal Heat Transfer | 8/9/2006 | 0.0021 | 0.3 | 002 | | |
| Boiler Treat FeD | Aqua-Vize | 8/9/2006 | 1.6 | 3.6 | 002 | | |
| Boiler Treat CA-M | Aqua-Vize | 8/9/2006 | 2.6 | 12.4 | 002 | | |
| PAS108AT | Aqua-Vize | 7/2/2018 | 0 | 0 | 002 | | (2) |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)*
(1) Treatment Chemicals 52, J-663, J-665, and J-669 WTC forms were revised and authorized by NYSDEC on 9/29/2014.
(2) PAS108At was not used in 2024.

| Name: Michael Johnson | Title: Knolls Laboratory Site Director | Phone: (518) 395-4864 |
|---|---|---|
| Signature: MICHAEL JOHNSON (Affiliate) Digitally signed by MICHAEL JOHNSON (Affiliate) Date: 2025.01.28 10:01:19 -05'00' | Date: 01/28/2025 | Email: michael.johnson2@unnpp.gov |

# New York State Department of Environmental Conservation
## Division of Water
## SPDES Permit - WTC Annual Report Form (April 2024)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit.
**Please note that a change in chemical dose or formulation requires submission of a new WTC authorization request form.**
Additional information is available at the NYSDEC website https://dec.ny.gov/regulatory/permits-licenses/wastewater-stormwater-water-withdrawal/spdes-permit-program/spdes-permitting-water-treatment-chemicals.

| SPDES Permit No. | Permittee Name |
|---|---|
| NY- 0005851 | USDOE - Naval Reactors Laboratory Field Office |

**Annual Report for Year** 2024

Page 2 of 2

| WTC Name | WTC Manufacturer | Date Authorized by NYSDEC | Average Daily Use* (pounds/day) | Maximum Daily Use (pounds/day) | Affected Outfall(s) | Check Box If Use of WTC Has Been Discontinued | Footnotes |
|---|---|---|---|---|---|---|---|
| Tower Treat 1200A | Aqua-Vize | 8/9/2006 | 3.5 | 16.5 | 002 | | |
| Surchlor/Superchlor | Slack Chemical | 8/9/2006 | 5 | 18 | 002 | | (3) |
| Bromicide Granules | BWA Water Additives | 7/2/2018 | 0 | 0 | 002 | | (4,5) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: *(if applicable)*
(3) Surchlor was not used in 2024, only Superchlor.
(4) The maximum daily usage value (pounds/day) for bromicide is based on operating in accordance with the Installation, Operations, and Maintenance Manual. This manual states that the maximum allowable weight of bromicide granules added to the cooling tower biocide feeder disperses over a thirty day period, and that the biocide feeder limits the bromocide granules exposure to the feed water providing a controlled application and release of pesticide.
(5) Bromocide Granules was not used in 2024.

| Name: Michael Johnson | Title: Knolls Laboratory Site Director | Phone: (518) 395-4864 |
|---|---|---|
| Signature: MICHAEL JOHNSON (Affiliate) Digitally signed by MICHAEL JOHNSON (Affiliate) Date: 2025.01.28 10:44:44 -05'00' | Date: 01/28/2025 | Email: michael.johnson2@unnpp.gov |

# Appendix B

SECTION 1

*New York State Department of Environmental Conservation*
*Division of Water*

## *Report of Noncompliance Event*

***To: DEC Water Contact*** James Malcolm, P.E., Division of Water ***DEC Region:*** 4

***Report Type:*** ✓ *5 Day* ✓ *Permit Violation* ___ *Order Violation* ___ *Anticipated Noncompliance* ___ *Bypass/Overflow* ___ *Other*

SECTION 2

**SPDES #: NY-** 0005851 **Facility:** USDOE Knolls Atomic Power Laboratory

**Date of noncompliance:** 12/11/2024 **Location (Outfall, Treatment Unit, or Pump Station):** Outfall 006

**Description of noncompliance(s) and cause(s):**

On 12/11/2024 at 1214 hours NNL received a report of a sheen in the employee parking lot. At approximately 1225 hours responders arrived on the scene and estimated less than a 1 quart of oil leaking from a personal vehicle and mixing with heavy rain. At 1230 hours during the cleanup a sheen from the oil leak was observed going into catch basin 006-640 that drains to Outfall 006. The vehicle was removed from site at 1300 hours and the remainder of the oil was cleaned off the pavement. The spill was reported to the New York State Spill Hotline on 12/11/2024 at 1406 hours. No sheen was observed at the outfall or on the Mohawk River. An oil and grease sample was obtained at the outfall that came back as non-detectable.

**Has event ceased?** Yes **If so, when?** 12/11/2024 **Was event due to plant upset?** No **SPDES limits violated?** No

**Start date, time of event:** 12/11/2024, 12:14 pm **End date, time of event:** 12/11/2024 1:00 pm

**Date, time oral notification made to DEC?** 12/11/2024, 6:07 pm **DEC Official contacted:** James Malcolm, P.E., Division of Water

**Immediate corrective actions:**

The vehicle leaking oil was identified and the owner was contacted to remove the vehicle from the property which stopped the leak. NNL responders placed oil absorbing booms around four catch basins to prevent sheens from entering the storm water systems. A boom was placed around the affected catch basin to prevent any further sheens from moving to the outfall. Absorbents were used to clean up the oil from the pavement. An NNL employee was dispatched to the outfall to verify no visible sheen was noted and to obtain an oil and grease sample. NYSDEC (J. Malcolm) was notified within 24 hours. It is estimated that roughly 1 quart of oil was lost from the vehicle, most of the product was recovered with the use of absorbents.

**Preventive (long term) corrective actions:**

NNL best management practices state that vehicles are to be parked on impervious services not over storm water catch basins. Storm water catch basins located in the employee parking lot are hatched with yellow lines indicating they are not parking spots. NNL employees are trained to call in reports of sheens or spills. All best management practices were followed during the event. The personal vehicle was parked in a designated spot and the sheen was reported to NNL emergency services. The vehicle was removed from site and the spill was cleaned up promptly. Affected catch basins were boomed to prevent further releases. A memo was issued to empolyees reestablishing the expectation to not bring leaking vehicles on site.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? No

DEC Official contacted: _____ Date of DEC approval: _____

**Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.**

SECTION 4

**Facility Representative:** Chris Corbari **Title:** ESH Director **Date:** _____

**Phone #:** ( 518 ) 395-4456 **Fax #:** ( ) _____

I Certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CHRISTOPHER CORBARI (Affiliate) Digitally signed by CHRISTOPHER CORBARI (Affiliate) Date: 2025.01.27 09:50:47 -05'00'

Signature of Principal Executive Officer or Authorized Agent

## INSTRUCTIONS

The Division of Water developed this standardized form to simplify the reporting of noncompliance events. The SPDES Permit General Conditions, require that certain discharges of untreated or partially treated sewage must be reported orally within either 2 hours[1] or 24 hours and also in writing within five (5) days as required by the appropriate regulation. All other permit noncompliance shall be reported as attachments to the Discharge Monitoring Report (DMR). This form should be used for these events as well as to report noncompliance relating to consent orders, scheduled events and bypass events.

All necessary information can readily be reported to DEC on this form. Additional information required to describe the event can be attached. **Please make additional copies of this form and use as needed**. Instructions are provided below. For questions on form use please contact the appropriate office listed below for the county where your permitted facility is located. Thank you for your cooperation.

***Instructions to complete and submit Noncompliance Report***

**1.** Provide facility information and all applicable event details in Sections 1 through 3. Dates should be completed in month/day/year format.

**2.** Provide your name, title, business phone number, and date report was completed in Section 4. Use additional sheets as needed to provide full detail of the event in Section 2.

**3.** For 5-day written reports, mail or fax the completed form to the appropriate DEC Regional Office listed below. Attach all other noncompliance reports to the DMR submittal (be sure to attach to each set of DMR copies) or mail separately if related to consent order/scheduled event noncompliance. After hours and weekend reporting of unusual discharge events of other noncompliance must be reported through the DEC Telephone Hotline, which is 1-800-457-7362.

DEC Regional Offices:

| | | |
|---|---|---|
| **REGION 1**<br>Regional Water Engineer<br>NYS SUNY , Bldg. 40<br>Loop Road<br>Stony Brook, NY 11790-2356<br>Phone: 631-444-0405 Fax: 631-444-0373<br>**Counties:**<br>Nassau Suffolk | **REGION 2**<br>Regional Water Engineer<br>One Hunters Point Plaza<br>47-40 21st St.<br>Long Island City, NY 11101-5407<br>Phone: 718-482-4900 Fax: 718-482-6516<br>**Counties:** Queens Bronx<br>New York Richmond Kings | **REGION 3** **<br>Regional Water Engineer<br>21 So. Putt Corners Rd<br>New Paltz, NY 12561-1696<br>Phone: 845-256-3000 Fax: 845-255-0714<br>**Counties:** Rockland Dutchess<br>Sullivan Orange Ulster<br>Putnam Westchester |
| **REGION 4**<br>Regional Water Engineer<br>1150 North Westcott Rd.<br>Schenectady, NY 12306-2014<br>Phone: 518-357-2045 Fax: 518-357-2398<br>**Counties:** Montgomery Albany<br>Otsego Rensselaer Columbia<br>Delaware Schoharie Greene<br>Schenectady | **REGION 5** **<br>Regional Water Engineer<br>Route 86, P.O. Box 296<br>Ray Brook N.Y. 12977-0296<br>Phone: 518-897-1241 Fax: 518-897-1245<br>**Counties:**<br>Clinton Hamilton Franklin<br>Essex Saratoga Warren<br>Fulton Washington | **REGION 6** **<br>Regional Water Engineer<br>Region 6 Suboffice<br>State Office Bldg.<br>207 Genesee St.<br>Utica, NY 13500<br>Phone: 315-793-2554 Fax: 315-793-2748<br>**Counties:** Lewis Jefferson<br>Herkimer Oneida St. Lawrence |
| **REGION 7**<br>Regional Water Engineer<br>615 Erie Blvd West<br>Syracuse, NY 13204-2400<br>Phone: 315-426-7506 Fax: 315-426-7402<br>**Counties:** Madison Cayuga<br>Broome Onondaga Oswego<br>Chenango Tioga Tompkins<br>Cortland | **REGION 8**<br>Regional Water Engineer<br>6274 East Avon-Lima Rd<br>Avon, NY 14414-9519<br>Phone: 585-226-2466 Fax: 585-226-2830<br>**Counties:** Orleans Genessee<br>Chemung Schuyler Seneca<br>Livingston Steuben Ontario<br>Monroe Wayne Yates | **REGION 9**<br>Regional Water Engineer<br>270 Michigan Avenue<br>Buffalo, NY 14203-2999<br>Phone: 716-851-7070 Fax: 716-851-7009<br>**Counties:** Allegany Erie<br>Cattaraugus Niagara Wyoming<br>Chautauqua |

** **REGION 3 Suboffice**
Regional Water Staff
200 White Plains Rd.., 5th Floor
Tarrytown, NY 10591-5805
Phone: 914-332-1835
Fax: 914-332-4670

**REGION 5 Suboffice**
Regional Water Staff
Box 220, Hudson St Extension
Warrensburg, NY 12885-0220
Phone: 518-623-1200
Fax: 518-623-4193

**REGION 6 Suboffice**
Regional Water Staff
317 Washington St.
Watertown, NY 13601-3787
Phone: 315-785-2513
Fax: 315-785-2422

[1] This requirement reflects proposed pending regulations.

# State Pollutant Discharge Elimination System (SPDES)
# BEST MANAGEMENT PRACTICES (BMP) PLAN
# Permit Number: NY0005851

## *KNOLLS ATOMIC POWER LABORATORY - KNOLLS LABORATORY*
## 2024

**Name of Facility**: Knolls Atomic Power Laboratory – Knolls Laboratory

**Location:** 2401 River Road
Niskayuna, NY 12309

**Owner:** U.S. Department of Energy
Naval Reactors Laboratory Field Office
P.O. Box 1069
Schenectady, New York 12301-1069

**Operator:** Fluor Marine Propulsion, LLC
P.O. Box 1072
Schenectady, New York 12301-1072

**Contact:** Program Manager
Environment, Safety, and Health
Naval Reactors Laboratory Field Office
(518) 395-6366

**This Section for Annual Review Documentation Only**
**Submit with December DMR**

X Annual Review is Complete

X No Revisions Necessary

___ Minor Revisions Made and List of Changes Attached

___ Major Revision Made and BMP will be submitted to NYSDEC within 30 days

**CERTIFICATION STATEMENT**

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

MICHAEL JOHNSON (Affiliate) Digitally signed by MICHAEL JOHNSON (Affiliate) Date: 2025.01.28 10:03:04 -05'00'

Signature of Principal Executive Officer or Authorized Agent

1/28/2025

Date