

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 #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

001  
Intake Structure

Discharge:

001-M  
INTAKE -RIVER WATER

Report Dates & Status

Monitoring Period:

From 01/01/26 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Code  | Parameter               | Monitoring Location    | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration |                 |             |                                                       |             |                                                       |           | # of Ex. | Frequency of Analysis       | Sample Type           |
|-------|-------------------------|------------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|--------------------------|-----------------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|----------|-----------------------------|-----------------------|
|       | 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            | =           | 3.0              | 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      |                     |                |             |                  |          | =                        | 7.1             |             |                                                       | =           | 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      |                     |                |             |                  |          |                          |                 | =           | 19.0                                                  | =           | 81.0                                                  | 19 - mg/L | 0        | 05/30 - 5 Times Every Month | 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      |                     |                |             |                  |          |                          |                 |             |                                                       |             |                                                       |           |          | 01/07 - Weekly              | 06 - 6 Hour Composite |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |                 |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      | 19 - mg/L |          |                             |                       |
|       |                         |                        |          |             | 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 11/11/25. Installed instrumentation provides continuous flow measurements. Adirondack Environmental Services ELAP #10709. An additional TSS grab was taken on 1/7/26 during the repair of a water main break. The result has been included with the data provided above.

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:                          | 2026-02-13 12:34 (Time Zone: -05:00) |
| <i><b>Report Last Signed By</b></i> |                                      |
| User:                               | MICHAEL.MADIGAN                      |
| Name:                               | Michael Madigan                      |
| E-Mail:                             | michael.madigan@unnpp.gov            |
| Date/Time:                          | 2026-02-24 18:03 (Time Zone: -05:00) |

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

002  
External Outfall

Discharge:

002-B  
NON-CONTACT COOLING WATER

Report Dates & Status

Monitoring Period:

From 01/01/26 to 01/31/26

DMR Due Date:

02/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis       | Sample Type           |
|-----------|------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------------|-----------------------|
| 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 - Measured         |
|           |                                    |                     |          |             | 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 - Totalizer        |
|           |                                    |                     |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon DAILY MX | 03 - MGD |                                                       |         |             |                |             |                                                       |            |          | 01/01 - Daily               | TM - Totalizer        |
|           |                                    |                     |          |             | 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      |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |          | 01/07 - Weekly              | GR - Grab             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          | 9 - Conditional Monitoring - Not Required This Period |         |             |                |             | 9 - Conditional Monitoring - Not Required This Period |            |          |                             |                       |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                             |                       |
| 00530     | Solids, total suspended            | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | =           | 17.0           | =           | 62.0                                                  | 19 - mg/L  | 0        | 05/30 - 5 Times Every Month | 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  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                             |                       |
| 00530     | Solids, total suspended            | 2 - Effluent Net    | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | =           | 0.4            | =           | 0.9                                                   | 19 - mg/L  | 0        | 01/07 - Weekly              | 06 - 6 Hour Composite |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          |                                                       |         | <=          | 20.0 MO AVG    | <=          | 40.0 DAILY MX                                         | 19 - mg/L  |          | 01/07 - Weekly              | 06 - 6 Hour Composite |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                             |                       |
|           |                                    |                     |          |             | Sample      |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 5.0                                                   | 19 - mg/L  |          | 01/07 - Weekly              | 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 Permit Req. |  |                                                       |  |                                                       |           |  |  |  | = | 380.0                                                 | =  | 420.0                                                 | 19 - mg/L |   | 01/07 - Weekly | 06 - 6 Hour Composite |
|       |                         |                    |   |    | Value NODI         |  |                                                       |  |                                                       |           |  |  |  |   | Req Mon MO AVG                                        |    | Req Mon DAILY MX                                      | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
|       |                         |                    |   |    |                    |  |                                                       |  |                                                       |           |  |  |  |   |                                                       |    |                                                       |           |   |                |                       |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. Installed instrumentation provides continuous flow and temperature measurements. Adirondack Environmental Services ELAP #10709. An additional TSS grab was taken on 1/7/26 during the repair of a water main break. The result has been included in the Gross TSS data provided above and was below the permit limit.

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:

2026-02-13 12:35 (Time Zone: -05:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-02-24 18:03 (Time Zone: -05:00)



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03B  
External Outfall

Discharge:

03B-M  
STRAINER BACKWASH & STORM WATE

Report Dates & Status

Monitoring Period:

From 01/01/26 to 01/31/26

DMR Due Date:

02/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |   | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---|--------------------|-----------------------|-------------|
| 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           | =           | 38.0                                                  | 15 - deg F | 0 | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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        | =                   | 2.1            | =           | 2.6              | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |   | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 0.3            | =           | 0.3                                                   | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |   |                    | GR -                  |             |

|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|--|-------------------------------------------------------|--|-------------------------------------------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |  |                                                       |  |                                                       |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  | 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. Value NODI |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | 26 - lb/d |  |  |  |                                                       |  |                                                       |      |                |           |
|       |                       |                    |   |    |                               |  | 9 - Conditional Monitoring - Not Required This Period |  | 9 - Conditional Monitoring - Not Required This Period |           |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. 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: 2026-02-13 12:40 (Time Zone: -05:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-02-24 18:03 (Time Zone: -05:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03D  
External Outfall

Discharge:

03D-M  
NONCONTACT COOLING AND STORM WATER

Report Dates & Status

Monitoring Period:

From 01/01/26 to 01/31/26

DMR Due Date:

02/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |   | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---|--------------------|-----------------------|-------------|
| 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        |                     |                |             |                  |          |                                                       |         | =           | 33.0           | =           | 35.0                                                  | 15 - deg F | 0 | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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            | =           | 0.43             | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |   | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |   |                    | GR -                  |             |

|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|--|-------------------------------------------------------|--|-------------------------------------------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |  |                                                       |  |                                                       |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  | 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. Value NODI |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | 26 - lb/d |  |  |  |                                                       |  |                                                       |      |                |           |
|       |                       |                    |   |    |                               |  | 9 - Conditional Monitoring - Not Required This Period |  | 9 - Conditional Monitoring - Not Required This Period |           |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. 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: 2026-02-13 12:41 (Time Zone: -05:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-02-24 18:03 (Time Zone: -05:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03A  
External Outfall

Discharge:

03A-Q  
STORM, GROUND & COOLING WATER

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |             |             |                |             |                  |           | # of Ex. | Frequency of Analysis         | Sample Type     |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|-------------|-------------|----------------|-------------|------------------|-----------|----------|-------------------------------|-----------------|
| 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      | =                   | 6200.0         | =           | 14000.0          | 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      |                     |                |             |                  |            | =                        | 7.8         |             |                | =           | 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      |                     |                |             |                  |            |                          |             | =           | 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. 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:

2026-02-13 12:39 (Time Zone: -05:00)

Report Last Signed By

User:

MICHAEL.MADIGAN





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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03A  
External Outfall

Discharge:

03A-V  
STORM WATER AND GROUNDWATER ACTION LEVEL

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |         |             |         |       | Quality or Concentration |         |             |         |             |               |           | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|---------|-------------|---------|-------|--------------------------|---------|-------------|---------|-------------|---------------|-----------|----------|-----------------------|-------------|
| 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:

2026-02-13 12:39 (Time Zone: -05:00)

Report Last Signed By

MICHAEL.MADIGAN

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-02-24 18:03 (Time Zone: -05:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03E  
External Outfall

Discharge:

03E-Q  
STORM, GROUND & COOLING WATER

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |             |                |             |                  |           | # of Ex. | Frequency of Analysis         | Sample Type     |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|-------------|----------------|-------------|------------------|-----------|----------|-------------------------------|-----------------|
| 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 - 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      |                     |                |             |                  | =          | 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      |                     |                |             |                  |            |                          |         | =           | 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        | 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:

2026-02-13 12:43 (Time Zone: -05:00)

Report Last Signed By

User:

MICHAEL.MADIGAN





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 #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

004  
External Outfall

Discharge:

004-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |             |                |             |                  |           | # of Ex. | Frequency of Analysis       | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|-------------|----------------|-------------|------------------|-----------|----------|-----------------------------|-----------------|
| 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      | =                   | 23000.0        | =           | 23000.0          | 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      |                     |                |             |                  |            |                          |         | =           | 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      |                     |                |             |                  | =          | 7.3                      |         |             | =              | 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      |                     |                |             |                  |            |                          |         | =           | 21.0           | =           | 36.0             | 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  |                     |                |             |                  |            |                          |         |             |                |             |                  |           |          |                             |                 |
| 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. An additional TSS grab was taken on 1/7/26 during the repair of a water main break. The result has been included with the data provided above.

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:                   | 2026-02-13 12:36 (Time Zone: -05:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-02-24 18:03 (Time Zone: -05:00) |

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

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

004  
External Outfall

Discharge:

004-V  
QUARTERLY ACTION LEVELS

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

581-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |         |             |         |       | Quality or Concentration |         |             |         |             |               |           | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|---------|-------------|---------|-------|--------------------------|---------|-------------|---------|-------------|---------------|-----------|----------|-----------------------|-------------|
| 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

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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:

2026-02-13 12:36 (Time Zone: -05:00)

Report Last Signed By

MICHAEL.MADIGAN

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-02-24 18:03 (Time Zone: -05:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

005  
External Outfall

Discharge:

005-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |                |         |                  |           |       | # of Ex.          | Frequency of Analysis | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|----------------|---------|------------------|-----------|-------|-------------------|-----------------------|-----------------|
| 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      | =                   | 28000.0        | =           | 28000.0          | 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      |                     |                |             |                  |            |                          | <       | 25.0           | <       | 25.0             | 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      |                     |                |             |                  |            |                          | =       | 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  |                     |                |             |                  |            |                          |         |                |         |                  |           |       |                   |                       |                 |
| 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

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Edit Check Errors

No errors.

Comments

Adirondack Environmental 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:                   | 2026-02-13 12:37 (Time Zone: -05:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-02-24 18:03 (Time Zone: -05:00) |



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

006  
External Outfall

Discharge:

006-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 11/01/25 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |             |                |             |                  |           | # of Ex. | Frequency of Analysis       | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|-------------|----------------|-------------|------------------|-----------|----------|-----------------------------|-----------------|
| 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 - 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      |                     |                |             |                  |            |                          |         | =           | 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  |                     |                |             |                  |            |                          |         |             |                |             |                  |           |          |                             |                 |
| 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      |                     |                |             |                  |            |                          |         | =           | 2.1            | =           | 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      |                     |                |             |                  |            |                          |         | <           | 5.2            | <           | 5.3              | 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 ELAP #10709. Two additional oil and grease samples were taken on 1/15/26 to verify a sheen from a personal vehicle did not make it to Outfall 006. The additional samples 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:                   | 2026-02-13 12:37 (Time Zone: -05:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-02-24 18:03 (Time Zone: -05:00) |



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

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

SUM  
External Outfall

Discharge:

SUM-M  
COPPER ION GENERATOR SUM TOTAL

Report Dates & Status

Monitoring Period:

From 01/01/26 to 01/31/26

DMR Due Date:

02/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                       | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                                                       |             |                                                       | Quality or Concentration |             |         |             |         |             |         | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-----------------------|---------------------|----------|-------------|-------------|---------------------|-------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------|-------------|---------|-------------|---------|-------------|---------|----------|-----------------------|-------------|
| 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      |                     |                                                       |             |                                                       |                          |             |         |             |         |             |         |          | 01/07 - Weekly        | GR - Grab   |
|           |                       |                     |          |             | Permit Req. | <=                  | 0.6 MO AVG                                            | <=          | 1.1 DAILY MX                                          | 26 - lb/d                |             |         |             |         |             |         |          |                       |             |
|           |                       |                     |          |             | 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 11/11/25. 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:

2026-02-04 13:52 (Time Zone: -05:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-02-24 18:03 (Time Zone: -05:00)

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

001  
Intake Structure

Discharge:

001-M  
INTAKE -RIVER WATER

Report Dates & Status

Monitoring Period:

From 02/01/26 to 02/28/26

DMR Due Date:

03/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Code  | Parameter               | Monitoring Location    | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration |         |             |                                                       |             |                                                       |           |           | # of Ex.           | Frequency of Analysis | Sample Type |
|-------|-------------------------|------------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|--------------------------|---------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|-----------|--------------------|-----------------------|-------------|
|       | 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            | =           | 2.5              | 03 - MGD |                          |         |             |                                                       |             |                                                       |           | 0         | 99/99 - Continuous | TM - Totalizer        |             |
|       |                         |                        |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon DAILY MX | 03 - MGD |                          |         |             |                                                       |             |                                                       |           |           |                    | TM - Totalizer        |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |         |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 00400 | pH                      | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  | =        | 7.0                      |         |             |                                                       | =           | 7.3                                                   | 12 - SU   | 0         | 01/07 - Weekly     | GR - Grab             |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          | Req Mon MINIMUM          |         |             |                                                       |             | Req Mon MAXIMUM                                       | 12 - SU   |           |                    | GR - Grab             |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |         |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  |          |                          |         | <           | 1.8                                                   | =           | 2.4                                                   | 19 - mg/L | 0         | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |         |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      | 19 - mg/L |           |                    | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |         |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 01042 | Copper, total [as Cu]   | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  |          |                          |         |             |                                                       |             |                                                       |           | 19 - mg/L | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |         |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      |           |           |                    |                       |             |
|       |                         |                        |          |             | 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 11/11/25. 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:                   | 2026-03-26 12:03 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-03-26 12:14 (Time Zone: -04:00) |

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

002  
External Outfall

Discharge:

002-B  
NON-CONTACT COOLING WATER

Report Dates & Status

Monitoring Period:

From 02/01/26 to 02/28/26

DMR Due Date:

03/28/26

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

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |         | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---------|--------------------|-----------------------|-------------|
| 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      |                     |                |             |                  |          |                                                       |         | =           | 33.0           | =           | 34.0                                                  | 15 - deg F | 0       | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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            | =           | 0.96             | 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                                 | 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      |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            | 12 - SU | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           |            |         |                    |                       |             |
|           |                                    |                     |          |             | 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            | =           | 2.6                                                   | 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  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
| 00530     | Solids, total suspended            | 2 - Effluent Net    | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | =           | 0.2            | =           | 0.4                                                   | 19 - mg/L  | 0       | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          |                                                       |         | <=          | 20.0 MO AVG    | <=          | 40.0 DAILY MX                                         | 19 - mg/L  |         | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             | Sample      |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 5.0                                                   | 19 - mg/L  |         | 01/07 - Weekly     | 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 Permit Req. |  |                                                       |  |                                                       |           |  |  | = | 320.0 | =                                                     | 390.0 | 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 11/11/25. 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:

2026-03-26 12:04 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-03-26 12:14 (Time Zone: -04:00)

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 #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03B  
External Outfall

Discharge:

03B-M  
STRAINER BACKWASH & STORM WATE

Report Dates & Status

Monitoring Period:

From 02/01/26 to 02/28/26

DMR Due Date:

03/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type    |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|----------------|
| 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           | =           | 37.0                                                  | 15 - deg F | 0        | 99/99 - Continuous    | MS - Measured  |
|           |                                    |                     |          |             | 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        | =                   | 2.2            | =           | 2.5              | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |          | 01/07 - Weekly        | GR - Grab      |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 3.0            | =           | 3.0                                                   | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |          |                       | GR -           |



|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|-------------------------------------------------------|----------------|-------------------------------------------------------|------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |                                                       |                |                                                       |                  |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  | 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. Value NODI |                                                       | Req Mon MO AVG |                                                       | Req Mon DAILY MX | 26 - lb/d |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |
|       |                       |                    |   |    |                               | 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 11/11/25. 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: 2026-03-26 12:04 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-03-26 12:14 (Time Zone: -04:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03D  
External Outfall

Discharge:

03D-M  
NONCONTACT COOLING AND STORM WATER

Report Dates & Status

Monitoring Period:

From 02/01/26 to 02/28/26

DMR Due Date:

03/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-385-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |   | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---|--------------------|-----------------------|-------------|
| 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        |                     |                |             |                  |          |                                                       |         | =           | 33.0           | =           | 34.0                                                  | 15 - deg F | 0 | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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        | =                   | 0.081          | =           | 0.4              | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |   | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 18.0           | =           | 18.0                                                  | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |   |                    | GR -                  |             |



|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|-------------------------------------------------------|----------------|-------------------------------------------------------|------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |                                                       |                |                                                       |                  |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  | 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. Value NODI |                                                       | Req Mon MO AVG |                                                       | Req Mon DAILY MX | 26 - lb/d |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |
|       |                       |                    |   |    |                               | 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 11/11/25. 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: 2026-03-26 12:04 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-03-26 12:14 (Time Zone: -04:00)

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

SUM  
External Outfall

Discharge:

SUM-M  
COPPER ION GENERATOR SUM TOTAL

Report Dates & Status

Monitoring Period:

From 02/01/26 to 02/28/26

DMR Due Date:

03/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                       | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                                                       |             |                                                       | Quality or Concentration |             |         |             |         |             |         | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-----------------------|---------------------|----------|-------------|-------------|---------------------|-------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------|-------------|---------|-------------|---------|-------------|---------|----------|-----------------------|-------------|
| 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      |                     |                                                       |             |                                                       |                          |             |         |             |         |             |         |          | 01/07 - Weekly        | GR - Grab   |
|           |                       |                     |          |             | Permit Req. | <=                  | 0.6 MO AVG                                            | <=          | 1.1 DAILY MX                                          | 26 - lb/d                |             |         |             |         |             |         |          |                       |             |
|           |                       |                     |          |             | 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 11/11/25. 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:

2026-03-26 12:05 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-03-26 12:14 (Time Zone: -04:00)

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

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

001  
Intake Structure

Discharge:

001-M  
INTAKE -RIVER WATER

Report Dates & Status

Monitoring Period:

From 03/01/26 to 03/31/26

DMR Due Date:

04/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Code  | Parameter               | Monitoring Location    | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration |                 |             |                                                       |             |                                                       |           |           | # of Ex.           | Frequency of Analysis | Sample Type |
|-------|-------------------------|------------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|--------------------------|-----------------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|-----------|--------------------|-----------------------|-------------|
|       | 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            | =           | 2.5              | 03 - MGD |                          |                 |             |                                                       |             |                                                       |           | 0         | 99/99 - Continuous | TM - Totalizer        |             |
|       |                         |                        |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon DAILY MX | 03 - MGD |                          |                 |             |                                                       |             |                                                       |           |           |                    | TM - Totalizer        |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |                 |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 00400 | pH                      | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  |          | =                        | 7.2             |             |                                                       | =           | 7.6                                                   | 12 - SU   | 0         | 01/07 - Weekly     | GR - Grab             |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          | Req Mon MINIMUM |             |                                                       |             | Req Mon MAXIMUM                                       | 12 - SU   |           |                    | GR - Grab             |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |                 |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  |          |                          |                 | =           | 64.0                                                  | =           | 230.0                                                 | 19 - mg/L | 0         | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |                 |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      | 19 - mg/L |           |                    | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Value NODI  |                     |                |             |                  |          |                          |                 |             |                                                       |             |                                                       |           |           |                    |                       |             |
| 01042 | Copper, total [as Cu]   | 7 - Intake from Stream | 0        | --          | Sample      |                     |                |             |                  |          |                          |                 |             |                                                       |             |                                                       |           | 19 - mg/L | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |                 |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      |           |           |                    |                       |             |
|       |                         |                        |          |             | 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 11/11/25. 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:                   | 2026-04-20 08:59 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-04-23 15:25 (Time Zone: -04:00) |

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

002  
External Outfall

Discharge:

002-B  
NON-CONTACT COOLING WATER

Report Dates & Status

Monitoring Period:

From 03/01/26 to 03/31/26

DMR Due Date:

04/28/26

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

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type           |
|-----------|------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|-----------------------|
| 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 - Measured         |
|           |                                    |                     |          |             | 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 - Totalizer        |
|           |                                    |                     |          |             | Permit Req. |                     | Req Mon MO AVG |             | Req Mon DAILY MX | 03 - MGD |                                                       |         |             |                |             |                                                       |            |          | 01/01 - Daily         | TM - Totalizer        |
|           |                                    |                     |          |             | 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      |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            | 12 - SU  | 01/07 - Weekly        | GR - Grab             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           |            |          |                       |                       |
|           |                                    |                     |          |             | 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      |                     |                |             |                  |          |                                                       |         | =           | 54.0           | =           | 160.0                                                 | 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  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                       |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                       |
| 00530     | Solids, total suspended            | 2 - Effluent Net    | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | =           | 5.4            | =           | 20.0                                                  | 19 - mg/L  | 0        | 01/07 - Weekly        | 06 - 6 Hour Composite |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          |                                                       |         | <=          | 20.0 MO AVG    | <=          | 40.0 DAILY MX                                         | 19 - mg/L  |          | 01/07 - Weekly        | 06 - 6 Hour Composite |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                       |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                       |
|           |                                    |                     |          |             | Sample      |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 5.0                                                   | 19 - mg/L  |          | 01/07 - Weekly        | 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 Permit Req. |  |                                                       |  |                                                       |           |  |  |  | = | 450.0                                                 | =  | 630.0                                                 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
|       |                         |                    |   |    | Value NODI         |  |                                                       |  |                                                       |           |  |  |  |   | Req Mon MO AVG                                        |    | Req Mon DAILY MX                                      | 19 - mg/L |   |                |                       |
|       |                         |                    |   |    |                    |  |                                                       |  |                                                       |           |  |  |  |   |                                                       |    |                                                       |           |   |                |                       |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. 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:

2026-04-20 09:00 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-04-23 15:25 (Time Zone: -04:00)



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03B  
External Outfall

Discharge:

03B-M  
STRAINER BACKWASH & STORM WATE

Report Dates & Status

Monitoring Period:

From 03/01/26 to 03/31/26

DMR Due Date:

04/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type    |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|----------------|
| 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 - Measured  |
|           |                                    |                     |          |             | 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            | =           | 2.4              | 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                                 | 1 - Effluent Gross  | 0        | --          | Sample        |                     |                |             |                  | =        | 7.2                                                   |         |             |                | =           | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |          | 01/07 - Weekly        | GR - Grab      |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 0.1            | =           | 0.1                                                   | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |          |                       | GR -           |

|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|--|-------------------------------------------------------|--|-------------------------------------------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |  |                                                       |  |                                                       |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  | 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. Value NODI |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | 26 - lb/d |  |  |  |                                                       |  |                                                       |      |                |           |
|       |                       |                    |   |    |                               |  | 9 - Conditional Monitoring - Not Required This Period |  | 9 - Conditional Monitoring - Not Required This Period |           |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. 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: 2026-04-20 09:02 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-04-23 15:25 (Time Zone: -04:00)



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03D  
External Outfall

Discharge:

03D-M  
NONCONTACT COOLING AND STORM WATER

Report Dates & Status

Monitoring Period:

From 03/01/26 to 03/31/26

DMR Due Date:

04/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type    |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|----------------|
| 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           | =           | 44.0                                                  | 15 - deg F | 0        | 99/99 - Continuous    | MS - Measured  |
|           |                                    |                     |          |             | 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        | =                   | 0.075          | =           | 0.13             | 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                                 | 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        |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          | 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        |                     |                |             |                  |          |                                                       |         | =           | 3.3            | =           | 3.3                                                   | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |          |                       | GR -           |

|       |                       |                    |   |    |                 |  |                              |  |                                                       |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-----------------|--|------------------------------|--|-------------------------------------------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI |  |                              |  |                                                       |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                 |  |                              |  |                                                       |           |  |  |  | 9 - Conditional Monitoring - Not Required This Period |  | 9 - Conditional Monitoring - Not Required This Period |      |                |           |
| 01042 | Copper, total [as Cu] | 2 - Effluent Net   | 0 | -- | Sample          |  |                              |  |                                                       |           |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |
|       |                       |                    |   |    | Permit Req.     |  | Req Mon MO AVG               |  | Req Mon DAILY MX                                      | 26 - lb/d |  |  |  |                                                       |  |                                                       |      |                |           |
|       |                       |                    |   |    | Value NODI      |  | A - General Permit Exemption |  | 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 11/11/25. 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: 2026-04-20 09:03 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-04-23 15:25 (Time Zone: -04:00)

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

SUM  
External Outfall

Discharge:

SUM-M  
COPPER ION GENERATOR SUM TOTAL

Report Dates & Status

Monitoring Period:

From 03/01/26 to 03/31/26

DMR Due Date:

04/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                       | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                                                       |             |                                                       | Quality or Concentration |             |         |             |         |             |         | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-----------------------|---------------------|----------|-------------|-------------|---------------------|-------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------|-------------|---------|-------------|---------|-------------|---------|----------|-----------------------|-------------|
| 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      |                     |                                                       |             |                                                       |                          |             |         |             |         |             |         |          | 01/07 - Weekly        | GR - Grab   |
|           |                       |                     |          |             | Permit Req. | <=                  | 0.6 MO AVG                                            | <=          | 1.1 DAILY MX                                          | 26 - lb/d                |             |         |             |         |             |         |          |                       |             |
|           |                       |                     |          |             | 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 11/11/25. 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:

2026-04-20 09:03 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-04-23 15:25 (Time Zone: -04:00)

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

001  
Intake Structure

Discharge:

001-M  
INTAKE -RIVER WATER

Report Dates & Status

Monitoring Period:

From 04/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Code  | Parameter               | Monitoring Location    | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration |         |             |                                                       |             |                                                       |           | # of Ex.  | Frequency of Analysis | Sample Type           |
|-------|-------------------------|------------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|--------------------------|---------|-------------|-------------------------------------------------------|-------------|-------------------------------------------------------|-----------|-----------|-----------------------|-----------------------|
|       | 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            | =           | 2.5              | 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      |                     |                |             |                  | =        | 7.1                      |         |             |                                                       | =           | 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      |                     |                |             |                  |          |                          |         | =           | 15.0                                                  |             | 40.0                                                  | 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      |                     |                |             |                  |          |                          |         |             |                                                       |             |                                                       |           | 19 - mg/L | 01/07 - Weekly        | 06 - 6 Hour Composite |
|       |                         |                        |          |             | Permit Req. |                     |                |             |                  |          |                          |         |             | Req Mon MO AVG                                        |             | Req Mon DAILY MX                                      |           |           |                       |                       |
|       |                         |                        |          |             | 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 11/11/25. Installed instrumentation provides continuous flow measurements. The River Water System was secured for maintenance starting on 4/28/26, 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:

KODI.GOWER

|                              |                                      |
|------------------------------|--------------------------------------|
| Name:                        | Kodi Gower                           |
| E-Mail:                      | kodi.gower@unnpp.gov                 |
| Date/Time:                   | 2026-05-18 15:24 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-05-27 15:48 (Time Zone: -04:00) |

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 #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

002  
External Outfall

Discharge:

002-B  
NON-CONTACT COOLING WATER

Report Dates & Status

Monitoring Period:

From 04/01/26 to 04/30/26

DMR Due Date:

05/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |         | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---------|--------------------|-----------------------|-------------|
| 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           | =           | 57.0                                                  | 15 - deg F | 0       | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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      | =                   | 0.75           | =           | 1.4              | 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                                 | 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      |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            | 12 - SU | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           |            |         |                    |                       |             |
|           |                                    |                     |          |             | 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           | =           | 32.0                                                  | 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  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
| 00530     | Solids, total suspended            | 2 - Effluent Net    | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | =           | 0.2            | =           | 0.4                                                   | 19 - mg/L  | 0       | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          |                                                       |         | <=          | 20.0 MO AVG    | <=          | 40.0 DAILY MX                                         | 19 - mg/L  |         | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             | Sample      |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 5.1                                                   | 19 - mg/L  |         | 01/07 - Weekly     | 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 Permit Req. |  |                                                       |  |                                                       |           |  |  |  | = | 350.0                                                 | =  | 550.0                                                 | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
|       |                         |                    |   |    | Value NODI         |  |                                                       |  |                                                       |           |  |  |  |   | Req Mon MO AVG                                        |    | Req Mon DAILY MX                                      | 19 - mg/L |   |                |                       |
|       |                         |                    |   |    |                    |  |                                                       |  |                                                       |           |  |  |  |   |                                                       |    |                                                       |           |   |                |                       |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance on 4/28/26. 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:

2026-05-18 15:23 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-05-27 15:48 (Time Zone: -04:00)

## DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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| <b>Permit #:</b>                                                                                                                                                                                                           |                                                                 | <b>NY0005851</b>                     |          | <b>Permittee:</b>         |             | USDOE-NAVAL REACTORS LAB FIELD OFFICE                 |         |             |         |       |                          |         | <b>Facility:</b>          |                  | USDOE KNOLLS ATOMIC POWER LAB          |                        |          |                       |                        |       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------|----------|---------------------------|-------------|-------------------------------------------------------|---------|-------------|---------|-------|--------------------------|---------|---------------------------|------------------|----------------------------------------|------------------------|----------|-----------------------|------------------------|-------|--|
| <b>Major:</b>                                                                                                                                                                                                              |                                                                 | No                                   |          | <b>Permittee Address:</b> |             | PO BOX 1069<br>SCHENECTADY, NY 123011069              |         |             |         |       |                          |         | <b>Facility Location:</b> |                  | 2401 RIVER ROAD<br>NISKAYUNA, NY 12309 |                        |          |                       |                        |       |  |
| <b>Permitted Feature:</b>                                                                                                                                                                                                  |                                                                 | 002<br>External Outfall              |          | <b>Discharge:</b>         |             | <b>002-T</b><br>WHOLE EFFLUENT TOXICITY (WET) TESTING |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Report Dates &amp; Status</b>                                                                                                                                                                                           |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Monitoring Period:</b>                                                                                                                                                                                                  |                                                                 | <b>From 01/01/26 to 03/31/26</b>     |          | <b>DMR Due Date:</b>      |             | <b>05/28/26</b>                                       |         |             |         |       |                          |         | <b>Status:</b>            |                  | <b>NetDMR Validated</b>                |                        |          |                       |                        |       |  |
| <b>Considerations for Form Completion</b>                                                                                                                                                                                  |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Principal Executive Officer</b>                                                                                                                                                                                         |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>First Name:</b>                                                                                                                                                                                                         |                                                                 | Michael                              |          | <b>Title:</b>             |             | ESH Director                                          |         |             |         |       |                          |         | <b>Telephone:</b>         |                  | 518-395-7470                           |                        |          |                       |                        |       |  |
| <b>Last Name:</b>                                                                                                                                                                                                          |                                                                 | Madigan                              |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>No Data Indicator (NODI)</b>                                                                                                                                                                                            |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Form NODI:</b>                                                                                                                                                                                                          |                                                                 | --                                   |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| Parameter                                                                                                                                                                                                                  |                                                                 | Monitoring Location                  | Season # | Param. NODI               |             | Quantity or Loading                                   |         |             |         |       | Quality or Concentration |         |                           |                  |                                        |                        | # of Ex. | Frequency of Analysis | Sample Type            |       |  |
| 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                                                                                                                                                                                                                      | <b>Toxicity [acute], Ceriodaphnia dubia</b>                     | V - See Comments                     | 0        | --                        | Sample      |                                                       |         |             |         |       |                          |         |                           | =                | 0.3                                    | 2F - tox acute         | 0        | 01/90 - Quarterly     | 24 - 24 Hour Composite |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Permit Req. |                                                       |         |             |         |       |                          | <=      | 10.0 DAILY MX             | 2F - tox acute   | 01/90 - Quarterly                      | 24 - 24 Hour Composite |          |                       |                        |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Value NODI  |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| 61426                                                                                                                                                                                                                      | <b>Toxicity [chronic], Ceriodaphnia dubia</b>                   | V - See Comments                     | 0        | --                        | Sample      |                                                       |         |             |         |       |                          |         |                           | =                | 0.3                                    | 2G - tox chronic       | 0        | 01/90 - Quarterly     | 24 - 24 Hour Composite |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Permit Req. |                                                       |         |             |         |       |                          | <=      | 69.0 DAILY MX             | 2G - tox chronic | 01/90 - Quarterly                      | 24 - 24 Hour Composite |          |                       |                        |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Value NODI  |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| 61427                                                                                                                                                                                                                      | <b>Toxicity [acute], Pimephales promelas [Fathead Minnow]</b>   | V - See Comments                     | 0        | --                        | Sample      |                                                       |         |             |         |       |                          |         |                           | =                | 0.3                                    | 2F - tox acute         | 0        | 01/90 - Quarterly     | 24 - 24 Hour Composite |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Permit Req. |                                                       |         |             |         |       |                          | <=      | 10.0 DAILY MX             | 2F - tox acute   | 01/90 - Quarterly                      | 24 - 24 Hour Composite |          |                       |                        |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Value NODI  |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| 61428                                                                                                                                                                                                                      | <b>Toxicity [chronic], Pimephales promelas [Fathead Minnow]</b> | V - See Comments                     | 0        | --                        | Sample      |                                                       |         |             |         |       |                          |         |                           | =                | 0.3                                    | 2G - tox chronic       | 0        | 01/90 - Quarterly     | 24 - 24 Hour Composite |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Permit Req. |                                                       |         |             |         |       |                          | <=      | 69.0 DAILY MX             | 2G - tox chronic | 01/90 - Quarterly                      | 24 - 24 Hour Composite |          |                       |                        |       |  |
|                                                                                                                                                                                                                            |                                                                 |                                      |          |                           | Value NODI  |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Submission Note</b>                                                                                                                                                                                                     |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Edit Check Errors</b>                                                                                                                                                                                                   |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| No errors.                                                                                                                                                                                                                 |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Comments</b>                                                                                                                                                                                                            |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| Adirondack Environmental Services ELAP #10709.                                                                                                                                                                             |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>Attachments</b>                                                                                                                                                                                                         |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| Name                                                                                                                                                                                                                       |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       | Type                     |         |                           |                  | Size                                   |                        |          |                       |                        |       |  |
| KLQ1WETTestingReport.pdf                                                                                                                                                                                                   |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       | pdf                      |         |                           |                  | 14812034.0                             |                        |          |                       |                        |       |  |
| <b>Report Last Saved By</b>                                                                                                                                                                                                |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| <b>USDOE-NAVAL REACTORS LAB FIELD OFFICE</b>                                                                                                                                                                               |                                                                 |                                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| User:                                                                                                                                                                                                                      |                                                                 | MICHAEL.MADIGAN                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| Name:                                                                                                                                                                                                                      |                                                                 | Michael Madigan                      |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| E-Mail:                                                                                                                                                                                                                    |                                                                 | michael.madigan@unnpp.gov            |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |
| Date/Time:                                                                                                                                                                                                                 |                                                                 | 2026-05-27 15:44 (Time Zone: -04:00) |          |                           |             |                                                       |         |             |         |       |                          |         |                           |                  |                                        |                        |          |                       |                        |       |  |



| Report Last Signed By |                                      |
|-----------------------|--------------------------------------|
| User:                 | MICHAEL.MADIGAN                      |
| Name:                 | Michael Madigan                      |
| E-Mail:               | michael.madigan@unnpp.gov            |
| Date/Time:            | 2026-05-27 15:48 (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:26-027  
13 May 2026

Sent via Email to WET@dec.ny.gov – No Hard Copy to Follow

New York State  
Department of Environmental Conservation  
Toxicity Testing Unit  
Division of Water  
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: 2026 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 1, 2025

This letter provides the Knolls Atomic Power Laboratory - Knolls Laboratory  
Whole Effluent Toxicity testing report as required by reference (a). The enclosed  
report is for the first quarter of 2026 (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 need additional information, please contact me at  
(518) 395-6366.

Sincerely,

DAVID  
DELWICHE  
D. A. DELWICHE  
Project Manager  
Environment, Safety, and Health

Digitally signed by  
DAVID DELWICHE  
Date: 2026.05.13  
14:28:40 -04'00'

Enclosure

Electronic copy to:  
Mr. James Malcolm, NYSDEC Region 4

**Knolls Atomic Power Laboratory  
SPDES Permit No. NY0005851**

**Whole Effluent Toxicity Testing: 2026 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.*

M. Madigan  
Director, ESH

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
|  | 4/14/2026 |
| Signature                                                                           | Date      |

**Daily Average Flows During Sample Collection (Outfall 002)**

| Date     | Average Flow (gpm) |
|----------|--------------------|
| 02/04/26 | 687.1              |
| 02/05/26 | 679.2              |



**Experience is the solution**

314 North Pearl Street ♦ Albany, New York 12207  
(800) 848-4983 ♦ (518) 434-4546 ♦ Fax (518) 434-0891

February 17, 2026

Eligio Cisneros  
Knolls Atomic Power Laboratory  
PO Box 1072  
Schenectady, NY 12301

TEL:

Work Order No: 260205007

PO#: 155972

Release# : KN-RES-26-027

RE:

Quarter;y Toxicity

Adirondack Environmental Services, Inc received 2 samples on 2/5/2026 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,

Christopher Hess  
QA Manager

ELAP#: 10709

**KODI GOWER**  
(Affiliate)

Digitally signed by KODI  
GOWER (Affiliate)  
Date: 2026.02.23  
11:15:59 -05'00'

**WILLIAM  
GUERRERA**  
(Affiliate)

Digitally signed by  
WILLIAM GUERRERA  
(Affiliate)  
Date: 2026.02.23  
12:19:44 -05'00'

## Adirondack Environmental Services, Inc

## CASE NARRATIVE

**Knolls Atomic Power Laboratory**

**Date:** 17-Feb-26

Quarterly Toxicity

**Lab WorkOrder: 260205007**

The sampling was performed in accordance with the AES field sampling procedures and/or the client specified sampling procedures. Sample containers were supplied by Adirondack Environmental Services.

Aquatic Toxicity Analysis was performed by Aqua Tox Research. ELAP #12159 Report is attached.

### Definitions - RL: Reporting Limit DF: Dilution factor

|                    |                                              |                                                   |
|--------------------|----------------------------------------------|---------------------------------------------------|
| <b>Qualifiers:</b> | 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- KAPL  
(FATHEAD MINNOW, PIMEPHALES PROMELAS)**

Facility Name/Location: Knolls Atomic Power Laboratory Permit No.: NY0005851  
P.O. Box 1072  
Schenectady, NY 12301

Laboratory Name/Location: AquaTox Research, Inc.  
1201 East Fayette Street  
Syracuse, NY 13210

Approved By: Francis G. Doherty February 12, 2026  
Francis G. Doherty, Ph.D. Date  
Aquatic Toxicologist

Aquatox Research, Inc. (ARI) (ELAP Lab ID No. 12159) is accredited by the NY State Department of Health Wadsworth Center through the Environmental Laboratory Accreditation Program (ELAP). A copy of the Certificate of Approval for Laboratory Service listing the approved test methods for ARI can be viewed at:

<https://aquatoxresearch.com/technical-qualifications/nys-accreditation/>

The Knolls Atomic Power Laboratory located in Schenectady, NY (NY0005851) is currently required in 2026 to conduct routine acute permit compliance testing with the fathead minnow, Pimephales promelas and the freshwater invertebrate, Ceriodaphnia dubia. The results presented in the attached report were generated in accordance with USEPA Test Method Code 2000.0 to satisfy that requirement. A Client Satisfaction Survey has been posted to the ARI website to provide ARI's clients the opportunity to comment on their experience with our service.

<https://aquatoxresearch.com/contact/client-satisfaction-survey/>

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report

## Toxicity Test Summary

### KAPL - Knolls Atomic Power Laboratory Outfall 002

Test Organism: Pimephales promelas ARI Test ID No. 02-02-26-14

Test Starting Date: 2/4/26

Completion Date: 2/6/26

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 **MAL of 10** listed in the permit.

***When there is no statistically significant mortality, permittees should report a value of 0.3 on their DMR.***

Estimated  $TU_c = TU_a \times 10 = <1 \times 10 = <10$

The estimated  $TU_c$  is *less than* the **MAL of 69** listed in the permit.

***Permittees should report the highest chronic experimental TU value (<10) on their DMR.***

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.

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report

Effluent Toxicity Test Conditions:

|                                              |                        |
|----------------------------------------------|------------------------|
| Test Type:                                   | 48-Hour Static Renewal |
| Number of Effluent Test Concentrations:      | <u>5</u>               |
| Number of Control Treatments:                | <u>1</u>               |
| Number of Replicates per treatment:          | <u>2</u>               |
| Number of Test Organisms/Test Concentration: | <u>20</u>              |
| Volume of Test Chambers (Liters):            | <u>~0.50</u>           |

Test Organism Source:

Test Species Pimephales promelas  
Commercial Hatchery (Specify) Aquatox, Inc.  
Test Organism Age (days) 2  
Test Organism Mean Wet Weight (Control minnows only) ND  
Test Organism Acclimation Period (days) NA

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 1 2/ 3 - 4/26 0945 - 0945  
Day 2 2/ 4 - 5/26 0945 - 0945  
Samples received by laboratory: 2/4 & 5/26

Dilution Water: Natural (source): Mohawk River

Collection Dates/Time: Sample 1 2/3/26 1030  
Sample 2 2/4/26 1015



Quality Assurance Summary:Sample dechlorinated prior to test soln prep? Yes\_\_ No XControl Mortality: 0% X ≤10% \_\_\_\_ >10% (specify) \_\_\_\_Mean temp within  $\pm 2^{\circ}\text{C}$  of the test temperature? Yes X No\_\_Dissolved oxygen levels always >40% saturation? Yes X No\_\_Day 1 sample received within 36-hr holding time? Yes X No\_\_Day 2 sample received within 36-hr holding time? Yes X No\_\_Day 1 sample containers filled to brim (with No Headspace)? Yes X No\_\_Day 2 sample containers filled to brim (with No Headspace)? Yes X No\_\_Day 1 sample temp upon receipt 0.3 °C Evidence of Cooling Yes X No\_\_Day 2 sample temp upon receipt 0.8 °C Evidence of Cooling Yes X No\_\_

**Wastewater samples used in toxicity tests must be chilled down to  $\sim 4^{\circ}\text{C}$  through the use of ice or ice packs. Failure to achieve this temperature may result in a Not Acceptable determination by the NYS DEC.**

Samples not intended for use on the day of receipt are always transferred to a refrigerator at  $\leq 4^{\circ}\text{C}$  following log in.

## Reference Toxicity Test Summary:

Test Starting Date: 1/7/26    Completion Date: 1/9/26  
Test Organism: *Pimephales promelas*    Other (specify):  
Test Organism Age (days) 2    Reference Toxicant: NaCl

48-hr LC<sub>50</sub> (mg/L): 8,726    95% CL: 8,592-8,863  
Cumulative mean LC<sub>50</sub> (+SD) for previous 20 tests: 8,527+279  
Current LC<sub>50</sub> within +2SD of mean LC<sub>50</sub>?    Yes X    No

ARI Reference Test ID No.: 01-05-26-10    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. 5<sup>th</sup> 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](http://www.dec.ny.gov/docs/water_pdf/togs132.pdf)

Deviations from Methodology:

None.

Percent Survival Data:

| Sample <sup>a</sup><br>Conc.<br>(%) | Cumulative<br>Mortality<br>(%) |                       |
|-------------------------------------|--------------------------------|-----------------------|
|                                     | 24 <sup>b</sup><br>HR          | 48 <sup>b</sup><br>HR |
| 0 RCVG                              | 0                              | 0                     |
| 6.25                                | 0                              | 0                     |
| 12.5                                | 0                              | 0                     |
| 25                                  | 0                              | 0                     |
| 50                                  | 0                              | 0                     |
| 100                                 | 0                              | 0                     |
| 95% LCL                             | NC                             | NC                    |
| LC <sub>50</sub>                    | >100                           | >100                  |
| 95% UCL                             | NC                             | NC                    |

| Sample <sup>a</sup><br>Conc.<br>(%) | Cumulative<br>Effects<br>(%) |                       |
|-------------------------------------|------------------------------|-----------------------|
|                                     | 24 <sup>b</sup><br>HR        | 48 <sup>b</sup><br>HR |
| 0 RCVG                              | 0                            | 0                     |
| 6.25                                | 0                            | 0                     |
| 12.5                                | 0                            | 0                     |
| 25                                  | 0                            | 0                     |
| 50                                  | 0                            | 0                     |
| 100                                 | 0                            | 0                     |
| 95% LCL                             | NC                           | NC                    |
| EC <sub>50</sub>                    | >100                         | >100                  |
| 95% UCL                             | NC                           | NC                    |

<sup>a</sup>LC<sub>50</sub>=median lethal concentration, EC<sub>50</sub>=median effective concentration,  
LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable,  
RCVG=Receiving.

<sup>b</sup>LC<sub>50</sub>, EC<sub>50</sub>, 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. 02-02-26-14).

| Effluent<br>Conc.<br>(%) | Temperature<br>(°C) |                   |                    |                   |
|--------------------------|---------------------|-------------------|--------------------|-------------------|
|                          | 0<br>HRS<br>FRESH   | 24<br>HRS<br>AGED | 24<br>HRS<br>FRESH | 48<br>HRS<br>AGED |
| 0 RCVG                   | 19.5                | 19.8              | 19.9               | 20.1              |
| 6.25                     | 19.4                | 19.4              | 20.0               | 19.9              |
| 12.5                     | 19.5                | 19.6              | 20.2               | 20.1              |
| 25                       | 19.5                | 19.2              | 20.4               | 20.0              |
| 50                       | 19.5                | 19.6              | 20.4               | 20.0              |
| 100                      | 19.5                | 19.5              | 20.8               | 20.0              |

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. 02-02-26-14).

## 0 Hours Fresh

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as CaCO <sub>3</sub> ) | Hardness (mg/l as CaCO <sub>3</sub> ) |
|----------------|------|------------------------|-----------------------------|-----------------------------------------|---------------------------------------|
| 0 RCVG         | 7.97 | 7.8                    | 388                         | 92                                      | 124                                   |
| 6.25           | 8.00 | 8.0                    | 395                         | -                                       | -                                     |
| 12.5           | 7.99 | 8.1                    | 403                         | -                                       | -                                     |
| 25             | 8.00 | 8.1                    | 417                         | -                                       | -                                     |
| 50             | 7.99 | 8.1                    | 446                         | -                                       | -                                     |
| 100            | 7.98 | 8.4                    | 506                         | 97                                      | 144                                   |

## 24 Hours Aged

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) |
|----------------|------|------------------------|
| 0 RCVG         | 8.13 | 8.3                    |
| 6.25           | 8.17 | 8.2                    |
| 12.5           | 8.13 | 8.2                    |
| 25             | 8.18 | 8.3                    |
| 50             | 8.16 | 8.3                    |
| 100            | 8.17 | 8.5                    |

## 24 Hours Fresh

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as CaCO <sub>3</sub> ) | Hardness (mg/l as CaCO <sub>3</sub> ) |
|----------------|------|------------------------|-----------------------------|-----------------------------------------|---------------------------------------|
| 0 RCVG         | 8.00 | 8.2                    | 410                         | 101                                     | 152                                   |
| 6.25           | 8.06 | 8.0                    | 421                         | -                                       | -                                     |
| 12.5           | 8.11 | 8.2                    | 430                         | -                                       | -                                     |
| 25             | 8.11 | 7.7                    | 449                         | -                                       | -                                     |
| 50             | 8.11 | 7.9                    | 486                         | -                                       | -                                     |
| 100            | 8.13 | 7.9                    | 564                         | 109                                     | 168                                   |

## 48 Hours Aged

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) |
|----------------|------|------------------------|
| 0 RCVG         | 8.15 | 7.5                    |
| 6.25           | 8.19 | 7.8                    |
| 12.5           | 8.22 | 7.6                    |
| 25             | 8.22 | 7.6                    |
| 50             | 8.23 | 8.0                    |
| 100            | 8.22 | 7.7                    |

**APPENDIX A**

Raw Bench Sheets,  
Statistical Analysis Output  
and Chains-of-Custody

### TEST SOLUTION PREPARATION CHART

Compound: KAPL Test ID #: 02-02-26-14-15  
 Date Sample Obtained: 2/4/26 Sample Handling: Chilled  
 Physical State: Liquid Color: pale yellow  
 Precipitate Present? no Test Type: SRA  
 Tech Init.: DP Date: 2/4/26

### SAMPLE FIRST USE DATE AND CHLORINE

Day 1 (Sample 1): 2/4/26 Chlorine Measurement Needed Y or (N)  
 Day 2 (Sample 2): 2/5/26 Chlorine Measurement Needed Y or (N)

### TEST SOLUTION PREPARATION

Testing Concentration Desired = Volume of Stock Solution Desired  
 Stock Solution Concentration Total Volume of Test Solution

Test Soln. Solvent: Mohawk River

| Rinse                               | Treatment Conc.<br>( % ) | Stock Soln.<br>Vol. (ml) | Total Vol.<br>(ml) | Tech.<br>Init. | Date   |
|-------------------------------------|--------------------------|--------------------------|--------------------|----------------|--------|
| <input checked="" type="checkbox"/> | 0 RCVG                   | 0                        | 2000               | DP             | 2/4/26 |
| <input checked="" type="checkbox"/> | 6.25                     | 125                      |                    |                |        |
| <input checked="" type="checkbox"/> | 12.5                     | 250                      |                    |                |        |
| <input checked="" type="checkbox"/> | 25                       | 500                      |                    |                |        |
| <input checked="" type="checkbox"/> | 50                       | 1000                     |                    |                |        |
| <input checked="" type="checkbox"/> | 100                      | 2000                     |                    |                |        |
|                                     |                          |                          |                    |                |        |
|                                     |                          |                          |                    |                |        |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0



# AQUATIC TOXICITY RAW DATA SHEET

Date: 2/4/26 Investigator: A Grundman Page 1 of 1

Test ID #: 02-02-26-14 Chemical: KAPL

Test Species: Pimephales promelas Source: Aquatox, Inc.

Test Organism Lot #: PP0226/868 # Organisms/Vessel: 10

Hatched on: 2/2/26 Age: 2 days old

Volume Diluent/Vessel: ~500 mL Time Start Test: 3:38p

| Vessel                 |  |  | Test Conc. ( % ) |  | Stock Added (mls) |  | Observed Mortality (n) |        |  |  |  |  |  |  |
|------------------------|--|--|------------------|--|-------------------|--|------------------------|--------|--|--|--|--|--|--|
|                        |  |  |                  |  |                   |  | 2/5/26                 | 2/6/26 |  |  |  |  |  |  |
|                        |  |  |                  |  |                   |  | 24                     | 48     |  |  |  |  |  |  |
| A                      |  |  | 0 RCVG           |  | 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 <sup>a</sup>         | 0      |  |  |  |  |  |  |
| K                      |  |  | 100              |  | 2000              |  | 0                      | 0      |  |  |  |  |  |  |
| L                      |  |  |                  |  |                   |  | 0                      | 0      |  |  |  |  |  |  |
| Investigator Initials: |  |  |                  |  |                   |  | RA                     | RA     |  |  |  |  |  |  |
| Time:                  |  |  |                  |  |                   |  | 3:02p                  | 2:54p  |  |  |  |  |  |  |

<sup>a</sup> Fish test set-up with 11 fish, 1 removed (RA 2/5/26)

Testing conducted in accordance with USEPA Method Code 2000.0

**AquaTOX Research, Inc.,** 1201 East Fayette Street, Syracuse, NY 13210

**TOXICITY TEST CHEMISTRY**

Test ID #: 02-02-26-14

Species: Pimephales promelas

Test Material: KAPL

Page 1 of 1

[illegible]

Testing conducted in accordance with USEPA Method Code 2000.0

a. (Cerro temperatures) sm 2/4/26

***AquaTOX Research, Inc.***, 1201 East Fayette Street, Syracuse, NY 13210

# **CALCULATION OF SAMPLE ALKALINITY WORKSHEET**

Test ID #: 02-02-26-14-15      Test Species: P. promelas & C. dubia      Page 1 of 1

Test Chemical: KAPL

| Lot #    | Test Conc. ( % ) | Titrant (mls) | Normality (H <sub>2</sub> SO <sub>4</sub> ) | Constant   | Sample Volume (mls) | Total Alkalinity (mg/L) | Sample | Init. & Date |
|----------|------------------|---------------|---------------------------------------------|------------|---------------------|-------------------------|--------|--------------|
| AT011626 | 0 RCVG           | (2.2)         | · (0.021)                                   | · (50,000) | / ( 25 ) =          | 92                      | Day 1  | DM 2/4/26    |
| ↓        | 100              | (2.3)         | · ( ↓ )                                     | · (50,000) | / ( ↓ ) =           | 97                      | ↓      | ↓            |
|          |                  |               |                                             |            |                     |                         |        |              |
| AT011626 | 0 RCVG           | ( 2.4 )       | · (0.021)                                   | · (50,000) | / ( 25 ) =          | 101                     | Day 2  | DP 2/5/26    |
| ↓        | 100              | ( 2.6 )       | · ( ↓ )                                     | · (50,000) | / ( ↓ ) =           | 109                     | ↓      | ↓            |
|          |                  |               |                                             |            |                     |                         |        |              |
|          |                  |               |                                             |            |                     |                         |        |              |
|          |                  |               |                                             |            |                     |                         |        |              |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0

# CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 02-02-26-14,-15 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Lot #           | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant          | Sample Volume (mls) | Total Hardness (mg/L) | Sample   | Init. & Date     |
|-----------------|------------------|---------------|------------------|-------------------|---------------------|-----------------------|----------|------------------|
| <u>HT011626</u> | 0 RCVG           | <u>(3.1)</u>  | <u>· (0.020)</u> | <u>· (50,000)</u> | <u>/ (25) =</u>     | <u>124</u>            | Day 1    | <u>SM 2/4/26</u> |
| <u>↓</u>        | 100              | <u>(3.6)</u>  | <u>· (↓)</u>     | <u>· (50,000)</u> | <u>/ (↓) =</u>      | <u>144</u>            | <u>↓</u> | <u>↓</u>         |
|                 |                  |               |                  |                   |                     |                       |          |                  |
| <u>HT011626</u> | 0 RCVG           | <u>(3.8)</u>  | <u>· (0.020)</u> | <u>· (50,000)</u> | <u>/ (25) =</u>     | <u>152</u>            | Day 2    | <u>PP 2/5/26</u> |
| <u>↓</u>        | 100              | <u>(4.2)</u>  | <u>· (↓)</u>     | <u>· (50,000)</u> | <u>/ (↓) =</u>      | <u>168</u>            | <u>↓</u> |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0

**AquaTOX Research, Inc.,** 1201 East Fayette Street, Syracuse, NY 13210

# Initial Sample Data

Page 1 of 1

Test Material: KAPL - Knolls Atomic Power Laboratory

Test ID: 02-02-26-14, 15

| Sample ID    | Sample Type | End Collection Date | Receipt Date | Temp °C Upon Arrival | First use (date) | Conductivity (µS/cm) | pH   | DO (mg/L) | TRC (mg/L) | Alkalinity (mg/L) | Hardness (mg/L) |
|--------------|-------------|---------------------|--------------|----------------------|------------------|----------------------|------|-----------|------------|-------------------|-----------------|
| Day 1 (Eff)  | C           | 2/4/26              | 2/4/26       | 0.3                  | 2/4/26           | 506                  | 7.98 | 8.4       | NA         | 97                | 144             |
| Day 2 (Eff)  | C           | 2/5/26              | 2/5/26       | 0.8                  | 2/5/26           | 564                  | 8.13 | 7.9       | 1          | 109               | 168             |
| RCVG water 1 | G           | 2/3/26              | 2/4/26       | '                    | 2/4/26           | 388                  | 7.97 | 7.8       | 1          | 92                | 124             |
| RCVG water 2 | G           | 2/4/26              | 2/5/26       | '                    | 2/5/26           | 410                  | 8.00 | 8.2       | ↓          | 101               | 152             |

µS/cm = microsiemens per cm      mg/L = milligrams per Liter

C = Composite  
G = Grab  
RW = Reconstituted water  
RCVG = Receiving water

Testing conducted in accordance with USEPA Method Code 2000.0 and/or 2002.0

**AquaTOX Research, INC.**, 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report

# EFFLUENT CHAIN OF CUSTODY RECORD

Facility Name: KARL-Knolls Atomic Power Laboratory Permit No.: NY0005851  
 Effluent Sampling Location: Outfall 002

## IS THIS SAMPLE CHLORINATED?

YES ☒ NO ☒

Type of Sample: Grab

Composite ☒

If Grab, Volume of Sample Collected

48

If Composite, No. of Samples per Day

1 Gallon

Start Time Sample Collection: 09:45

09:45

End Time Sample Collection: 09:45

09:45

End Date Sample Collection: 2/4/26

2/4/26

Receiving Water Source: Mohawk River

Derek Merker

Receiving Water Collected by: Derek Merker

10:30

Date: 2/3/26 Time: 10:30

| Relinquished By    | Date          | Time            | Received By         |
|--------------------|---------------|-----------------|---------------------|
| <u>[Signature]</u> | <u>2/4/26</u> | <u>09:35</u>    | <u>[Signature]</u>  |
| Relinquished By    | Date          | Time            | Received By         |
| <u>[Signature]</u> | <u>2/4/26</u> | <u>12:47 pm</u> | <u>D. Poliwshka</u> |

Is the sample container completely filled (No Headspace)?

Container#1 YES ☒ NO ☒ Container#2 YES ☒ NO ☒ Container#3 YES ☒ NO ☒

Ice/Ice Packs Present: YES ☒ NO ☒ Evidence of Cooling: YES ☒ NO ☒

Ice Packs Sent: 0-00 Ice Packs Received: 2/4/26

Sample Temp on Arrival: 0.3 Recorded by: D. Poliwshka

Sample Disposition: Returned to Client ☒ Trashed ☒ Sewered ☒

Disposed By: K. McKee Date: 2/10/26

\*\*\*Office Use Only\*\*\*



# EFFLUENT CHAIN OF CUSTODY RECORD

Facility Name: KAPL-Knolls Atomic Power Laboratory Permit No.: NY0005851  
 Effluent Sampling Location: Outfall 002

**IS THIS SAMPLE CHLORINATED?** YES ☒ NO ☒  
 Type of Sample: Grab ☒ Composite ☒  
 If Grab, Volume of Sample Collected 48  
 If Composite, No. of Samples per Day 1  
 Volume of Sample Collected per Event Gallon  
 Start Time Sample Collection: 09:45 End Time Sample Collection: 09:45  
 Start Date Sample Collection: 2/4/26 End Date Sample Collection: 2/5/26  
 Effluent Sample Collected by: Derek Merker  
 Receiving Water Source: Mohawk River  
 Date: 2/5/26  
 Receiving Water Collected by: Derek Merker Date: 2/4/26 Time: 10:15

| Relinquished By    | Date          | Time         | Received By        |
|--------------------|---------------|--------------|--------------------|
| <u>[Signature]</u> | <u>2/5/26</u> |              |                    |
| Relinquished By    | Date          | Time         | Received By        |
| <u>[Signature]</u> | <u>2/5/26</u> | <u>12:19</u> | <u>A. Polushko</u> |

Is the sample container completely filled (No Headspace)?

Container#1 YES ☒ NO ☐ Container#2 YES ☐ NO ☒ Container#3 YES ☐ NO ☒

Ice/Ice Packs Present: YES ☒ NO ☐ Evidence of Cooling: YES ☒ NO ☐

Ice Packs Sent: \_\_\_\_\_ Ice Packs Received: \_\_\_\_\_

Sample Temp on Arrival: 0.8 Recorded by: A. Polushko

Sample Disposition: Returned to Client \_\_\_\_\_ Trashed \_\_\_\_\_ Sewered ☒

Disposed By: K. McKee Date: 2/10/26  
**\*\*\*Office Use Only\*\*\***

**AquaTOX Research, Inc.**, 1201 East Fayette Street, Syracuse, NY 13210  
 Sample Drop Off Ph: (315) 479-1499 Main Ph: (315) 479-1498 Email: [contactus@aquatoxresearch.com](mailto:contactus@aquatoxresearch.com)

AES WO #: 260205007

**ACUTE TOXICITY TEST REPORT FORM- KAPL  
(FRESHWATER INVERTEBRATE, CERIODAPHNIA DUBIA)**

Facility Name/Location: Knolls Atomic Power Laboratory      Permit No.: NY0005851  
P.O. Box 1072  
Schenectady, NY 12301

Laboratory Name/Location: AquaTox Research, Inc.  
1201 East Fayette Street  
Syracuse, NY 13210

Approved By: Francis G. Doherty      February 12, 2026  
Francis G. Doherty, Ph.D.      Date  
Aquatic Toxicologist

Aquatox Research, Inc. (ARI) (ELAP Lab ID No. 12159) is accredited by the NY State Department of Health Wadsworth Center through the Environmental Laboratory Accreditation Program (ELAP). A copy of the Certificate of Approval for Laboratory Service listing the approved test methods for ARI can be viewed at:

<https://aquatoxresearch.com/technical-qualifications/nys-accreditation/>

The Knolls Atomic Power Laboratory located in Schenectady, NY (NY0005851) is currently required in 2026 to conduct routine acute permit compliance testing with the fathead minnow, Pimephales promelas and the freshwater invertebrate, Ceriodaphnia dubia. The results presented in the attached report were generated in accordance with USEPA Test Method Code 2002.0 to satisfy that requirement. A Client Satisfaction Survey has been posted to the ARI website to provide ARI's clients the opportunity to comment on their experience with our service.

<https://aquatoxresearch.com/contact/client-satisfaction-survey/>

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report



## Toxicity Test Summary

### KAPL - Knolls Atomic Power Laboratory Outfall 002

Test Organism: Ceriodaphnia dubia      ARI Test ID No. 02-02-26-15

Test Starting Date: 2/4/26      Completion Date: 2/6/26

48-hr LC<sub>50</sub> > 100% (0% mortality in 100% effluent)

$$TU_a = 100 / LC_{50} = 100 / >100 = <1$$

The experimental TU<sub>a</sub> is *less than* the **MAL of 10** listed in the permit.

***When there is no statistically significant mortality, permittees should report a value of 0.3 on their DMR.***

$$\text{Estimated } TU_c = TU_a \times 10 = <1 \times 10 = <10$$

The estimated TU<sub>c</sub> is *less than* the **MAL of 69** listed in the permit.

***Permittees should report the highest chronic experimental TU value (<10) on their DMR.***

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.

***AquaTOX Research, Inc.,*** 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report

Effluent Toxicity Test Conditions:

|                                              |                        |
|----------------------------------------------|------------------------|
| Test Type:                                   | 48-Hour Static Renewal |
| Number of Effluent Test Concentrations:      | <u>5</u>               |
| Number of Control Treatments:                | <u>1</u>               |
| Number of Replicates per treatment:          | <u>4</u>               |
| Number of Test Organisms/Test Concentration: | <u>20</u>              |
| Volume of Test Chambers (Liters):            | <u>~0.015</u>          |

Test Organism:

Test Organism Ceriodaphnia dubia  
Cultured (Check) X Other (Specify) \_\_\_\_\_  
Test Organism Age (days) <1  
Test Organism Acclimation Period (days) NA

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 1 2/ 3 - 4/26 0945 - 0945  
Day 2 2/ 4 - 5/26 0945 - 0945  
Samples received by laboratory: 2/4 & 5/26

Dilution Water: Natural (source): Mohawk River

Collection Dates/Time: Sample 1 2/3/26 1030  
Sample 2 2/4/26 1015

Quality Assurance Summary:Sample dechlorinated prior to test soln prep? Yes\_\_ No XControl Mortality: 0% X ≤10% \_\_ >10% (specify) \_\_Mean temp within  $\pm 2^{\circ}\text{C}$  of the test temperature? Yes X No \_\_Dissolved oxygen levels always >40% saturation? Yes X No \_\_Day 1 sample received within 36-hr holding time? Yes X No \_\_Day 2 sample received within 36-hr holding time? Yes X No \_\_Day 1 sample containers filled to brim (with No Headspace)? Yes X No \_\_Day 2 sample containers filled to brim (with No Headspace)? Yes X No \_\_Day 1 sample temp upon receipt 0.3 °C Evidence of Cooling Yes X No \_\_Day 2 sample temp upon receipt 0.8 °C Evidence of Cooling Yes X No \_\_

**Wastewater samples used in toxicity tests must be chilled down to  $\sim 4^{\circ}\text{C}$  through the use of ice or ice packs. Failure to achieve this temperature may result in a Not Acceptable determination by the NYS DEC.**

Samples not intended for use on the day of receipt are always transferred to a refrigerator at  $\leq 4^{\circ}\text{C}$  following log in.

## Reference Toxicity Test Summary:

Test Starting Date: 1/7/26    Completion Date: 1/9/26  
Test Organism: Ceriodaphnia dubia    Other (specify):  
Test Organism Age (days) <1    Reference Toxicant: NaCl

48-hr LC<sub>50</sub> (mg/L): 2,334    95% CL: 2,223-2,451  
Cumulative mean LC<sub>50</sub> (+SD) for previous 20 tests: 1,850+313  
Current LC<sub>50</sub> within +2SD of mean LC<sub>50</sub>?    Yes X    No

ARI Reference Test ID No.: 01-05-26-11    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. 5<sup>th</sup> 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](http://www.dec.ny.gov/docs/water_pdf/togs132.pdf)

Deviations from Methodology:

None.

Percent Survival Data:

| Sample <sup>a</sup><br>Conc.<br>(%) | Cumulative<br>Mortality<br>(%) |                       |
|-------------------------------------|--------------------------------|-----------------------|
|                                     | 24 <sup>b</sup><br>HR          | 48 <sup>b</sup><br>HR |
| 0 RCVG                              | 0                              | 0                     |
| 6.25                                | 0                              | 0                     |
| 12.5                                | 0                              | 0                     |
| 25                                  | 0                              | 0                     |
| 50                                  | 0                              | 0                     |
| 100                                 | 0                              | 0                     |
| 95% LCL                             | NC                             | NC                    |
| LC <sub>50</sub>                    | >100                           | >100                  |
| 95% UCL                             | NC                             | NC                    |

| Sample <sup>a</sup><br>Conc.<br>(%) | Cumulative<br>Effects<br>(%) |                       |
|-------------------------------------|------------------------------|-----------------------|
|                                     | 24 <sup>b</sup><br>HR        | 48 <sup>b</sup><br>HR |
| 0 RCVG                              | 0                            | 0                     |
| 6.25                                | 0                            | 0                     |
| 12.5                                | 0                            | 0                     |
| 25                                  | 0                            | 0                     |
| 50                                  | 0                            | 0                     |
| 100                                 | 0                            | 0                     |
| 95% LCL                             | NC                           | NC                    |
| EC <sub>50</sub>                    | >100                         | >100                  |
| 95% UCL                             | NC                           | NC                    |

<sup>a</sup>LC<sub>50</sub>=median lethal concentration, EC<sub>50</sub>=median effective concentration,  
LCL=lower confidence limit, UCL=upper confidence limit, NC=not calculable,  
RCVG=Receiving.

<sup>b</sup>LC<sub>50</sub>, EC<sub>50</sub>, 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.02-02-26-15).

| Effluent<br>Conc.<br>(%) | Temperature<br>(°C) |                   |                    |                   |
|--------------------------|---------------------|-------------------|--------------------|-------------------|
|                          | 0<br>HRS<br>FRESH   | 24<br>HRS<br>AGED | 24<br>HRS<br>FRESH | 48<br>HRS<br>AGED |
| 0 RCVG                   | 24.8                | 24.6              | 24.4               | 25.1              |
| 6.25                     | 24.9                | 24.7              | 24.7               | 24.9              |
| 12.5                     | 24.9                | 24.7              | 24.8               | 24.9              |
| 25                       | 25.0                | 24.9              | 24.8               | 24.8              |
| 50                       | 25.1                | 24.5              | 25.0               | 24.7              |
| 100                      | 25.1                | 24.6              | 25.4               | 24.8              |

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.02-02-26-15).

## 0 Hours Fresh

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as CaCO <sub>3</sub> ) | Hardness (mg/l as CaCO <sub>3</sub> ) |
|----------------|------|------------------------|-----------------------------|-----------------------------------------|---------------------------------------|
| 0 RCVG         | 7.97 | 7.8                    | 388                         | 92                                      | 124                                   |
| 6.25           | 8.00 | 8.0                    | 395                         | -                                       | -                                     |
| 12.5           | 7.99 | 8.1                    | 403                         | -                                       | -                                     |
| 25             | 8.00 | 8.1                    | 417                         | -                                       | -                                     |
| 50             | 7.99 | 8.1                    | 446                         | -                                       | -                                     |
| 100            | 7.98 | 8.4                    | 506                         | 97                                      | 144                                   |

## 24 Hours Aged

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) |
|----------------|------|------------------------|
| 0 RCVG         | 8.08 | 7.7                    |
| 6.25           | 8.11 | 7.5                    |
| 12.5           | 8.14 | 7.6                    |
| 25             | 8.15 | 7.7                    |
| 50             | 8.15 | 7.6                    |
| 100            | 8.15 | 7.7                    |

## 24 Hours Fresh

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) | Conductivity (micromhos/cm) | Alkalinity (mg/l as CaCO <sub>3</sub> ) | Hardness (mg/l as CaCO <sub>3</sub> ) |
|----------------|------|------------------------|-----------------------------|-----------------------------------------|---------------------------------------|
| 0 RCVG         | 8.00 | 8.2                    | 410                         | 101                                     | 152                                   |
| 6.25           | 8.06 | 8.0                    | 421                         | -                                       | -                                     |
| 12.5           | 8.11 | 8.2                    | 430                         | -                                       | -                                     |
| 25             | 8.11 | 7.7                    | 449                         | -                                       | -                                     |
| 50             | 8.11 | 7.9                    | 486                         | -                                       | -                                     |
| 100            | 8.13 | 7.9                    | 564                         | 109                                     | 168                                   |

## 48 Hours Aged

| Test Conc. (%) | pH   | Dissolved Oxygen (ppm) |
|----------------|------|------------------------|
| 0 RCVG         | 8.11 | 7.6                    |
| 6.25           | 8.17 | 7.4                    |
| 12.5           | 8.18 | 7.3                    |
| 25             | 8.17 | 7.2                    |
| 50             | 8.19 | 7.0                    |
| 100            | 8.18 | 7.1                    |



## **APPENDIX A**

Raw Bench Sheets,  
Statistical Analysis Output  
and Chains-of-Custody

### TEST SOLUTION PREPARATION CHART

Compound: KAPL Test ID #: 02-02-26-14-15  
 Date Sample Obtained: 2/4/26 Sample Handling: Chilled  
 Physical State: Liquid Color: pale yellow  
 Precipitate Present? no Test Type: SRA  
 Tech Init.: DP Date: 2/4/26

### SAMPLE FIRST USE DATE AND CHLORINE

Day 1 (Sample 1): 2/4/26 Chlorine Measurement Needed Y or (N)  
 Day 2 (Sample 2): 2/5/26 Chlorine Measurement Needed Y or (N)

### TEST SOLUTION PREPARATION

Testing Concentration Desired = Volume of Stock Solution Desired  
 Stock Solution Concentration Total Volume of Test Solution

Test Soln. Solvent: Mohawk River

| Rinse                               | Treatment Conc.<br>( % ) | Stock Soln.<br>Vol. (ml) | Total Vol.<br>(ml) | Tech.<br>Init. | Date   |
|-------------------------------------|--------------------------|--------------------------|--------------------|----------------|--------|
| <input checked="" type="checkbox"/> | 0 RCVG                   | 0                        | 2000               | DP             | 2/4/26 |
| <input checked="" type="checkbox"/> | 6.25                     | 125                      |                    |                |        |
| <input checked="" type="checkbox"/> | 12.5                     | 250                      |                    |                |        |
| <input checked="" type="checkbox"/> | 25                       | 500                      |                    |                |        |
| <input checked="" type="checkbox"/> | 50                       | 1000                     |                    |                |        |
| <input checked="" type="checkbox"/> | 100                      | 2000                     |                    |                |        |
|                                     |                          |                          |                    |                |        |
|                                     |                          |                          |                    |                |        |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0

# AQUATIC TOXICITY RAW DATA SHEET

Date: 2/4/26 Investigator: J. McLoone Page 1 of 2

Test ID #: 02-02-26-15 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Neonates Collected On: 2/4/26 Time Neonates Were Fed: 10:43a

Volume Diluent/Vessel: ~15 mL Time Start Test: 3:15p

| Vessel                 |  |  | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) |        |  |  |  |  |  |  |  |
|------------------------|--|--|------------------|-------------------|------------------------|--------|--|--|--|--|--|--|--|
|                        |  |  |                  |                   | 2/5/26                 | 2/6/26 |  |  |  |  |  |  |  |
|                        |  |  |                  |                   | 24                     | 48     |  |  |  |  |  |  |  |
| A                      |  |  | 0 RCVG           | 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: |  |  |                  |                   | JM                     | RB     |  |  |  |  |  |  |  |
| Time:                  |  |  |                  |                   | 2:30p                  | 3:15p  |  |  |  |  |  |  |  |

a \_\_\_\_\_  
 b \_\_\_\_\_  
 c \_\_\_\_\_  
 d \_\_\_\_\_  
 e \_\_\_\_\_

Testing conducted in accordance with USEPA Method Code 2002.0

# AQUATIC TOXICITY RAW DATA SHEET

Date: 2/4/26 Investigator: J. McBerern Page 2 of 2

Test ID #: 02-02-26-15 Chemical: KAPL

Test Species: Ceriodaphnia dubia Source: Lab Supply

Test Organism Lot #: NA # Organisms/Vessel: 5

Neonates Collected On: 2/4/26 Time Neonates Were Fed: 10:43~

Volume Diluent/Vessel: ~15 mL Time Start Test: 3:15p

| Vessel                 |  |  | Test Conc. ( % ) | Stock Added (mls) | Observed Mortality (n) |        |  |  |  |  |  |  |
|------------------------|--|--|------------------|-------------------|------------------------|--------|--|--|--|--|--|--|
|                        |  |  |                  |                   | 2/5/26                 | 2/6/26 |  |  |  |  |  |  |
|                        |  |  |                  |                   | 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              | 0/4                    | 0/4    |  |  |  |  |  |  |
| V                      |  |  |                  |                   | 0                      | 0      |  |  |  |  |  |  |
| W                      |  |  |                  |                   | 0                      | 0      |  |  |  |  |  |  |
| X                      |  |  |                  |                   | 0                      | 0      |  |  |  |  |  |  |
| Investigator Initials: |  |  |                  |                   | jm                     | AG     |  |  |  |  |  |  |
| Time:                  |  |  |                  |                   | 3:37p                  | 3:20p  |  |  |  |  |  |  |

Setup with 4 daphnia jm 2/5/26

Testing conducted in accordance with USEPA Method Code 2002.0

## TOXICITY TEST CHEMISTRY

Test ID #: 02-02-26-15

Species: Ceriodaphnia dubia

Test Material: KAPL

Page 1 of 1

| Test Vessel   | Test Conc.<br>( % ) | Observation Time: <u>0 HRS</u> |               |               |                    | Observation Time: <u>24 aged</u> |               |               |                    |
|---------------|---------------------|--------------------------------|---------------|---------------|--------------------|----------------------------------|---------------|---------------|--------------------|
|               |                     | T<br>(°C)                      | DO<br>(mg/L)  | pH            | Cond<br>(umhos/cm) | T<br>(°C)                        | DO<br>(mg/L)  | pH            | Cond<br>(umhos/cm) |
| A-B           | 0 RCVG              | <u>24.8</u>                    | <u>7.8</u>    | <u>7.97</u>   | <u>288</u>         | <u>24.6</u>                      | <u>7.7</u>    | <u>8.08</u>   |                    |
| C-D           | <u>6.25</u>         | <u>24.9</u>                    | <u>8.0</u>    | <u>8.00</u>   | <u>395</u>         | <u>24.7</u>                      | <u>7.5</u>    | <u>8.11</u>   |                    |
| E-F           | <u>12.5</u>         | <u>24.9</u>                    | <u>8.1</u>    | <u>7.99</u>   | <u>403</u>         | <u>24.7</u>                      | <u>7.6</u>    | <u>8.14</u>   |                    |
| G-H           | <u>25</u>           | <u>25.0</u>                    | <u>8.1</u>    | <u>8.00</u>   | <u>417</u>         | <u>24.9</u>                      | <u>7.7</u>    | <u>8.15</u>   |                    |
| I-J           | <u>50</u>           | <u>25.1</u>                    | <u>8.1</u>    | <u>7.99</u>   | <u>446</u>         | <u>24.5</u>                      | <u>7.6</u>    | <u>8.15</u>   |                    |
| K-L           | <u>100</u>          | <u>25.1</u>                    | <u>8.4</u>    | <u>7.98</u>   | <u>506</u>         | <u>24.6</u>                      | <u>7.7</u>    | <u>8.15</u>   |                    |
|               |                     |                                |               |               |                    |                                  |               |               |                    |
|               |                     |                                |               |               |                    |                                  |               |               |                    |
|               |                     |                                |               |               |                    |                                  |               |               |                    |
|               |                     |                                |               |               |                    |                                  |               |               |                    |
|               |                     | Therm                          | Meter         | Meter         |                    | Therm                            | Meter         | Meter         |                    |
|               |                     | ID                             | ID            | ID            |                    | ID                               | ID            | ID            |                    |
|               |                     | <u>E023</u>                    | <u>A213</u>   | <u>A211</u>   |                    | <u>E023</u>                      | <u>A213</u>   | <u>A211</u>   |                    |
|               |                     | <u>Jm</u>                      | <u>Jm</u>     | <u>Jm</u>     |                    | <u>Jm</u>                        | <u>MG</u>     | <u>MG</u>     |                    |
| Tech Initials |                     | <u>sm</u>                      | <u>sm</u>     | <u>sm</u>     |                    | <u>sm</u>                        | <u>MG</u>     | <u>MG</u>     |                    |
| Date          |                     | <u>2/4/26</u>                  | <u>2/4/26</u> | <u>2/4/26</u> |                    | <u>2/5/26</u>                    | <u>2/5/26</u> | <u>2/5/26</u> |                    |

| Test Vessel   | Test Conc.<br>( % ) | Observation Time: <u>24 fresh</u> |               |               |                    | Observation Time: <u>48 aged</u> |               |               |                    |
|---------------|---------------------|-----------------------------------|---------------|---------------|--------------------|----------------------------------|---------------|---------------|--------------------|
|               |                     | T<br>(°C)                         | DO<br>(mg/L)  | pH            | Cond<br>(umhos/cm) | T<br>(°C)                        | DO<br>(mg/L)  | pH            | Cond<br>(umhos/cm) |
| A-B           | 0 RCVG              | <u>24.4</u>                       | <u>8.2</u>    | <u>8.00</u>   | <u>410</u>         | <u>25.1</u>                      | <u>7.6</u>    | <u>8.11</u>   |                    |
| C-D           | <u>6.25</u>         | <u>24.7</u>                       | <u>8.0</u>    | <u>8.06</u>   | <u>421</u>         | <u>24.9</u>                      | <u>7.4</u>    | <u>8.17</u>   |                    |
| E-F           | <u>12.5</u>         | <u>24.8</u>                       | <u>8.2</u>    | <u>8.11</u>   | <u>430</u>         | <u>24.9</u>                      | <u>7.3</u>    | <u>8.18</u>   |                    |
| G-H           | <u>25</u>           | <u>24.8</u>                       | <u>7.7</u>    | <u>8.11</u>   | <u>449</u>         | <u>24.8</u>                      | <u>7.2</u>    | <u>8.17</u>   |                    |
| I-J           | <u>50</u>           | <u>25.0</u>                       | <u>7.9</u>    | <u>8.11</u>   | <u>486</u>         | <u>24.7</u>                      | <u>7.0</u>    | <u>8.19</u>   |                    |
| K-L           | <u>100</u>          | <u>25.4</u>                       | <u>7.9</u>    | <u>8.13</u>   | <u>564</u>         | <u>24.8</u>                      | <u>7.1</u>    | <u>8.18</u>   |                    |
|               |                     |                                   |               |               |                    |                                  |               |               |                    |
|               |                     |                                   |               |               |                    |                                  |               |               |                    |
|               |                     |                                   |               |               |                    |                                  |               |               |                    |
|               |                     |                                   |               |               |                    |                                  |               |               |                    |
|               |                     | Therm                             | Meter         | Meter         |                    | Therm                            | Meter         | Meter         |                    |
|               |                     | ID                                | ID            | ID            |                    | ID                               | ID            | ID            |                    |
|               |                     | <u>E023</u>                       | <u>A213</u>   | <u>A211</u>   |                    | <u>E025</u>                      | <u>A213</u>   | <u>A211</u>   |                    |
|               |                     | <u>Jm</u>                         | <u>QP</u>     | <u>QP</u>     |                    | <u>KG</u>                        | <u>AG</u>     | <u>AG</u>     |                    |
| Tech Initials |                     | <u>sm</u>                         | <u>QP</u>     | <u>QP</u>     |                    | <u>KG</u>                        | <u>AG</u>     | <u>AG</u>     |                    |
| Date          |                     | <u>2/5/26</u>                     | <u>2/5/26</u> | <u>2/5/26</u> |                    | <u>2/6/26</u>                    | <u>2/6/26</u> | <u>2/6/26</u> |                    |

Testing conducted in accordance with USEPA Method Code 2000.0

# **CALCULATION OF SAMPLE ALKALINITY WORKSHEET**

Test ID #: 02-02-26-14-15      Test Species: P. promelas & C. dubia      Page 1 of 1

Test Chemical: KAPL

| Lot #         | Test Conc. ( % ) | Titrant (mls) | Normality (H <sub>2</sub> SO <sub>4</sub> ) | Constant   | Sample Volume (mls) | Total Alkalinity (mg/L) | Sample | Init. & Date |
|---------------|------------------|---------------|---------------------------------------------|------------|---------------------|-------------------------|--------|--------------|
| AT011626<br>↓ | 0 RCVG           | (2.2)         | · (0.021)                                   | · (50,000) | / ( 25 ) =          | 92                      | Day 1  | DM 2/4/26    |
|               | 100              | (2.3)         | · ( ↓ )                                     | · (50,000) | / ( ↓ ) =           | 97                      | ↓      | ↓            |
|               |                  |               |                                             |            |                     |                         |        |              |
| AT011626<br>↓ | 0 RCVG           | ( 2.4 )       | · (0.021)                                   | · (50,000) | / ( 25 ) =          | 101                     | Day 2  | DP 2/5/26    |
|               | 100              | ( 2.6 )       | · ( ↓ )                                     | · (50,000) | / ( ↓ ) =           | 109                     | ↓      | ↓            |
|               |                  |               |                                             |            |                     |                         |        |              |
|               |                  |               |                                             |            |                     |                         |        |              |
|               |                  |               |                                             |            |                     |                         |        |              |
|               |                  |               |                                             |            |                     |                         |        |              |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0

# CALCULATION OF SAMPLE HARDNESS WORKSHEET

Test ID #: 02-02-26-14,-15 Test Species: P. promelas & C. dubia Page 1 of 1

Test Chemical: KAPL

| Lot #           | Test Conc. ( % ) | Titrant (mls) | Normality (EDTA) | Constant          | Sample Volume (mls) | Total Hardness (mg/L) | Sample   | Init. & Date     |
|-----------------|------------------|---------------|------------------|-------------------|---------------------|-----------------------|----------|------------------|
| <u>HT011626</u> | 0 RCVG           | <u>(3.1)</u>  | <u>· (0.020)</u> | <u>· (50,000)</u> | <u>/ (25) =</u>     | <u>124</u>            | Day 1    | <u>SM 2/4/26</u> |
| <u>↓</u>        | 100              | <u>(3.6)</u>  | <u>· (↓)</u>     | <u>· (50,000)</u> | <u>/ (↓) =</u>      | <u>144</u>            | <u>↓</u> | <u>↓</u>         |
|                 |                  |               |                  |                   |                     |                       |          |                  |
| <u>HT011626</u> | 0 RCVG           | <u>(3.8)</u>  | <u>· (0.020)</u> | <u>· (50,000)</u> | <u>/ (25) =</u>     | <u>152</u>            | Day 2    | <u>DP 2/5/26</u> |
| <u>↓</u>        | 100              | <u>(4.2)</u>  | <u>· (↓)</u>     | <u>· (50,000)</u> | <u>/ (↓) =</u>      | <u>168</u>            | <u>↓</u> |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |
|                 |                  |               |                  |                   |                     |                       |          |                  |

Testing conducted in accordance with USEPA Method Codes 2000.0 & 2002.0

**AquaTOX Research, Inc.,** 1201 East Fayette Street, Syracuse, NY 13210



# Initial Sample Data

Page 1 of 1

Test Material: KAPL - Knolls Atomic Power Laboratory

Test ID: 02-02-26-14, 15

| Sample ID    | Sample Type | End Collection Date | Receipt Date | Temp °C Upon Arrival | First use (date) | Conductivity (µS/cm) | pH   | DO (mg/L) | TRC (mg/L) | Alkalinity (mg/L) | Hardness (mg/L) |
|--------------|-------------|---------------------|--------------|----------------------|------------------|----------------------|------|-----------|------------|-------------------|-----------------|
| Day 1 (Eff)  | C           | 2/4/26              | 2/4/26       | 0.3                  | 2/4/26           | 506                  | 7.98 | 8.4       | NA         | 97                | 144             |
| Day 2 (Eff)  | C           | 2/5/26              | 2/5/26       | 0.8                  | 2/5/26           | 564                  | 8.13 | 7.9       | 1          | 109               | 168             |
| RCVG water 1 | G           | 2/3/26              | 2/4/26       | '                    | 2/4/26           | 388                  | 7.97 | 7.8       | 1          | 92                | 124             |
| RCVG water 2 | G           | 2/4/26              | 2/5/26       | '                    | 2/5/26           | 410                  | 8.00 | 8.2       | ↓          | 101               | 152             |

µS/cm = microsiemens per cm      mg/L = milligrams per Liter

C = Composite  
G = Grab  
RW = Reconstituted water  
RCVG = Receiving water

Testing conducted in accordance with USEPA Method Code 2000.0 and/or 2002.0

**AquaTOX Research, INC.**, 1201 East Fayette Street, Syracuse, NY 13210  
Please call (315) 479-1498 with questions regarding this report



# EFFLUENT CHAIN OF CUSTODY RECORD

Facility Name: KARL-Knolls Atomic Power Laboratory Permit No.: NY0005851  
 Effluent Sampling Location: Outfall 002

**IS THIS SAMPLE CHLORINATED?** YES ☒ NO ☒  
 Type of Sample: Grab ☒ Composite ☐  
 If Grab, Volume of Sample Collected 48  
 If Composite, No. of Samples per Day 1 Gallon  
 Volume of Sample Collected per Event 1  
 Start Time Sample Collection: 09:45 End Time Sample Collection: 09:45  
 Start Date Sample Collection: 2/13/26 End Date Sample Collection: 2/14/26  
 Effluent Sample Collected by: Derek Merker Date: 2/14/26  
 Receiving Water Source: Mohawk River  
 Receiving Water Collected by: Derek Merker Date: 2/13/26 Time: 10:30

| Relinquished By     | Date           | Time            | Received By         |
|---------------------|----------------|-----------------|---------------------|
| <u>[Signature]</u>  | <u>2/14/26</u> | <u>09:35</u>    | <u>Nishfor Rana</u> |
| Relinquished By     | Date           | Time            | Received By         |
| <u>Nishfor Rana</u> | <u>2/14/26</u> | <u>12:47 pm</u> | <u>D. Poliwshka</u> |

Is the sample container completely filled (No Headspace)?

Container#1 YES ☒ NO ☐ Container#2 YES ☐ NO ☒ Container#3 YES ☐ NO ☒

Ice/Ice Packs Present: YES ☒ NO ☐ Evidence of Cooling: YES ☒ NO ☐

Ice Packs Sent: \_\_\_\_\_ Ice Packs Received: 0-00 2/4/26

Sample Temp on Arrival: 0.3 Recorded by: A. Poliwshka

Sample Disposition: Returned to Client \_\_\_\_\_ Trashed \_\_\_\_\_ Sewered ☒

Disposed By: K. McKee Date: 2/10/26

\*\*\*Office Use Only\*\*\*

# EFFLUENT CHAIN OF CUSTODY RECORD

Facility Name: KAPL-Knolls Atomic Power Laboratory Permit No.: NY0005851  
 Effluent Sampling Location: Outfall 002

**IS THIS SAMPLE CHLORINATED?** YES ☒ NO ☒  
 Type of Sample: Grab ☒ Composite ☒  
 If Grab, Volume of Sample Collected 48  
 If Composite, No. of Samples per Day 1  
 Volume of Sample Collected per Event Gallon  
 Start Time Sample Collection: 09:45 End Time Sample Collection: 09:45  
 Start Date Sample Collection: 2/4/26 End Date Sample Collection: 2/5/26  
 Effluent Sample Collected by: Derek Merker  
 Receiving Water Source: Mohawk River  
 Date: 2/5/26  
 Receiving Water Collected by: Derek Merker Date: 2/4/26 Time: 10:15

| Relinquished By    | Date          | Time         | Received By        |
|--------------------|---------------|--------------|--------------------|
| <u>[Signature]</u> | <u>2/5/26</u> |              |                    |
| Relinquished By    | Date          | Time         | Received By        |
| <u>[Signature]</u> | <u>2/5/26</u> | <u>12:19</u> | <u>A. Polushko</u> |

Is the sample container completely filled (No Headspace)?

Container#1 YES ☒ NO ☐ Container#2 YES ☐ NO ☒ Container#3 YES ☐ NO ☒

Ice/Ice Packs Present: YES ☒ NO ☐ Evidence of Cooling: YES ☒ NO ☐

Ice Packs Sent: \_\_\_\_\_ Ice Packs Received: \_\_\_\_\_

Sample Temp on Arrival: 0.8 Recorded by: A. Polushko

Sample Disposition: Returned to Client \_\_\_\_\_ Trashed \_\_\_\_\_ Sewered ☒

Disposed By: K. McKee Date: 2/10/26  
**\*\*\*Office Use Only\*\*\***

**AquaTOX Research, Inc.**, 1201 East Fayette Street, Syracuse, NY 13210  
 Sample Drop Off Ph: (315) 479-1499 Main Ph: (315) 479-1498 Email: [contactus@aquatoxresearch.com](mailto:contactus@aquatoxresearch.com)

AES WO #: 260205007

260205007





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- (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.
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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03B  
External Outfall

Discharge:

03B-M  
STRAINER BACKWASH & STORM WATE

Report Dates & Status

Monitoring Period:

From 04/01/26 to 04/30/26

DMR Due Date:

05/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |   | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---|--------------------|-----------------------|-------------|
| 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           | =           | 55.0                                                  | 15 - deg F | 0 | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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            | =           | 2.2              | 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                                 | 1 - Effluent Gross  | 0        | --          | Sample        |                     |                |             |                  | =        | 7.1                                                   |         |             |                | =           | 7.7                                                   | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |   | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |   |                    | GR -                  |             |

|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|--|-------------------------------------------------------|--|-------------------------------------------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |  |                                                       |  |                                                       |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |  |                                                       |  |                                                       |           |  |  |  | 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. Value NODI |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | 26 - lb/d |  |  |  |                                                       |  |                                                       |      |                |           |
|       |                       |                    |   |    |                               |  | 9 - Conditional Monitoring - Not Required This Period |  | 9 - Conditional Monitoring - Not Required This Period |           |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 11/11/25. Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance on 4/28/26. 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: 2026-05-18 15:29 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-05-27 15:48 (Time Zone: -04:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03D  
External Outfall

Discharge:

03D-M  
NONCONTACT COOLING AND STORM WATER

Report Dates & Status

Monitoring Period:

From 04/01/26 to 04/30/26

DMR Due Date:

05/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |   | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---|--------------------|-----------------------|-------------|
| 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           | =           | 58.0                                                  | 15 - deg F | 0 | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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        | =                   | 0.078          | =           | 0.21             | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |   | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          | 9 - Conditional Monitoring - Not Required This Period |         |             |                |             | 9 - Conditional Monitoring - Not Required This Period |            |   |                    |                       |             |
|           |                                    |                     |          |             | Value NODI    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
| 00530     | Solids, total suspended            | 1 - Effluent Gross  | 0        | --          | Sample        |                     |                |             |                  |          |                                                       |         | =           | 130.0          | =           | 130.0                                                 | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |   |                    |                       |             |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |   |                    | GR -                  |             |

|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|-------------------------------------------------------|----------------|-------------------------------------------------------|------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |                                                       |                |                                                       |                  |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  | 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. Value NODI |                                                       | Req Mon MO AVG |                                                       | Req Mon DAILY MX | 26 - lb/d |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |
|       |                       |                    |   |    |                               | 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 11/11/25. Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance on 4/28/26. 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: 2026-05-18 15:29 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-05-27 15:48 (Time Zone: -04:00)



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03A  
External Outfall

Discharge:

03A-Q  
STORM, GROUND & COOLING WATER

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |             |             |                |             |                  | # of Ex.  | Frequency of Analysis | Sample Type                   |                 |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|-------------|-------------|----------------|-------------|------------------|-----------|-----------------------|-------------------------------|-----------------|
| 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      | =                   | 2500.0         | =           | 5900.0           | 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      |                     |                |             |                  |            | =                        | 7.7         |             |                | =           | 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      |                     |                |             |                  |            |                          |             | =           | 9.6            | =           | 9.6              | 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

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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:

2026-05-18 15:28 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN



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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03A  
External Outfall

Discharge:

03A-V  
STORM WATER AND GROUNDWATER ACTION LEVEL

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |         |             |         |       | Quality or Concentration |         |             |         |             |               |           | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|---------|-------------|---------|-------|--------------------------|---------|-------------|---------|-------------|---------------|-----------|----------|-----------------------|-------------|
| 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:

2026-05-18 15:28 (Time Zone: -04:00)

Report Last Signed By

MICHAEL.MADIGAN

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-05-27 15:48 (Time Zone: -04:00)

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Permit

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Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03E  
External Outfall

Discharge:

03E-Q  
STORM, GROUND & COOLING WATER

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |             |             |                |             |                  |           | # of Ex. | Frequency of Analysis         | Sample Type     |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|-------------|-------------|----------------|-------------|------------------|-----------|----------|-------------------------------|-----------------|
| 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 - 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      |                     |                |             |                  | =          |                          | 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      |                     |                |             |                  |            |                          |             | =           | 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  |                     |                |             |                  |            |                          |             |             |                |             |                  |           |          |                               |                 |
| 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:

2026-05-18 15:30 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

004  
External Outfall

Discharge:

004-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |             |             |                |             |                  |           | # of Ex. | Frequency of Analysis | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|-------------|-------------|----------------|-------------|------------------|-----------|----------|-----------------------|-----------------|
| 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 - 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      |                     |                |             |                  |            |                          |             | =           | 31.0           | =           | 31.0             | 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      |                     |                |             |                  |            |                          |             | =           | 68.0           | =           | 68.0             | 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:                   | 2026-05-18 15:24 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-05-27 15:48 (Time Zone: -04:00) |

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

004  
External Outfall

Discharge:

004-V  
QUARTERLY ACTION LEVELS

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |         |             |         |       | Quality or Concentration |         |             |         |             |               |           | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-------------------------|---------------------|----------|-------------|-------------|---------------------|---------|-------------|---------|-------|--------------------------|---------|-------------|---------|-------------|---------------|-----------|----------|-----------------------|-------------|
| 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:

2026-05-18 15:25 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-05-27 15:48 (Time Zone: -04:00)



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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

005  
External Outfall

Discharge:

005-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |             |                |             |                  |           | # of Ex. | Frequency of Analysis | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|-------------|----------------|-------------|------------------|-----------|----------|-----------------------|-----------------|
| 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      | =                   | 39000.0        | =           | 39000.0          | 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      |                     |                |             |                  |            |                          |         | =           | 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      |                     |                |             |                  | =          | 7.7                      |         |             |                | =           | 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      |                     |                |             |                  |            |                          |         | =           | 51.0           | =           | 51.0             | 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

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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:                   | 2026-05-18 15:26 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-05-27 15:48 (Time Zone: -04:00) |

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

006  
External Outfall

Discharge:

006-Q  
STORMWATER RUNOFF

Report Dates & Status

Monitoring Period:

From 02/01/26 to 04/30/26

DMR Due Date:

05/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                                         | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |            | Quality or Concentration |         |             |                |             |                  |           | # of Ex.          | Frequency of Analysis       | Sample Type     |
|-----------|-----------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|------------|--------------------------|---------|-------------|----------------|-------------|------------------|-----------|-------------------|-----------------------------|-----------------|
| 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 - 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      |                     |                |             |                  |            |                          |         | =           | 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      |                     |                |             |                  | =          | 7.6                      |         |             | =              | 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      |                     |                |             |                  |            |                          |         | =           | 4.8            | =           | 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                 | 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. An additional oil and grease sample was taken on 3/31/26 to verify a sheen from a personal vehicle did not make it to Outfall 006. The additional sample 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:                   | 2026-05-18 15:27 (Time Zone: -04:00) |
| <i>Report Last Signed By</i> |                                      |
| User:                        | MICHAEL.MADIGAN                      |
| Name:                        | Michael Madigan                      |
| E-Mail:                      | michael.madigan@unnpp.gov            |
| Date/Time:                   | 2026-05-27 15:48 (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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[illegible]

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

001  
Intake Structure

Discharge:

001-M  
INTAKE -RIVER WATER

Report Dates & Status

Monitoring Period:

From 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Code  | Parameter               | Monitoring Location    | Season # | Param. NODI |             | Quantity or Loading |                        |             |                        |          | Quality or Concentration |                        |                                                       |         |             |                                                       |       | # of Ex.  | Frequency of Analysis | Sample Type           |
|-------|-------------------------|------------------------|----------|-------------|-------------|---------------------|------------------------|-------------|------------------------|----------|--------------------------|------------------------|-------------------------------------------------------|---------|-------------|-------------------------------------------------------|-------|-----------|-----------------------|-----------------------|
|       | 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      |                     |                        |             |                        |          |                          |                        |                                                       |         |             |                                                       |       |           | 01/01 - Daily         | TM - Totalizer        |
|       |                         |                        |          |             | Permit Req. |                     | Req Mon MO AVG         |             | Req Mon DAILY MX       | 03 - MGD |                          |                        |                                                       |         |             |                                                       |       |           |                       |                       |
|       |                         |                        |          |             | Value NODI  |                     | 2 - Operation Shutdown |             | 2 - Operation Shutdown |          |                          |                        |                                                       |         |             |                                                       |       |           |                       |                       |
| 00400 | pH                      | 7 - Intake from Stream | 0        | --          | Sample      |                     |                        |             |                        |          |                          |                        |                                                       |         |             |                                                       |       | 12 - SU   | 01/07 - Weekly        | GR - Grab             |
|       |                         |                        |          |             | Permit Req. |                     |                        |             |                        |          |                          | Req Mon MINIMUM        |                                                       |         |             | Req Mon MAXIMUM                                       |       |           |                       |                       |
|       |                         |                        |          |             | Value NODI  |                     |                        |             |                        |          |                          | 2 - Operation Shutdown |                                                       |         |             | 2 - Operation Shutdown                                |       |           |                       |                       |
| 00530 | Solids, total suspended | 7 - Intake from Stream | 0        | --          | Sample      |                     |                        |             |                        |          |                          |                        |                                                       |         |             |                                                       |       | 19 - mg/L | 01/07 - Weekly        | 06 - 6 Hour Composite |
|       |                         |                        |          |             | Permit Req. |                     |                        |             |                        |          |                          |                        | Req Mon MO AVG                                        |         |             | Req Mon DAILY MX                                      |       |           |                       |                       |
|       |                         |                        |          |             | Value NODI  |                     |                        |             |                        |          |                          |                        | 2 - Operation Shutdown                                |         |             | 2 - Operation Shutdown                                |       |           |                       |                       |
| 01042 | Copper, total [as Cu]   | 7 - Intake from Stream | 0        | --          | Sample      |                     |                        |             |                        |          |                          |                        |                                                       |         |             |                                                       |       | 19 - mg/L | 01/07 - Weekly        | 06 - 6 Hour Composite |
|       |                         |                        |          |             | Permit Req. |                     |                        |             |                        |          |                          |                        | Req Mon MO AVG                                        |         |             | Req Mon DAILY MX                                      |       |           |                       |                       |
|       |                         |                        |          |             | 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 River Water System was secured for maintenance starting on 4/28/26 until 6/8/26, resulting in no flow for this time period. NODI 2 was used to indicate operation was shutdown for this reporting period. The copper ion generator was secured 11/11/25. 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:                          | 2026-06-23 15:39 (Time Zone: -04:00) |
| <i><b>Report Last Signed By</b></i> |                                      |
| User:                               | MICHAEL.MADIGAN                      |
| Name:                               | Michael Madigan                      |
| E-Mail:                             | michael.madigan@unnpp.gov            |
| Date/Time:                          | 2026-06-26 09:22 (Time Zone: -04:00) |

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Permit

Permit #:

NY0005851

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

002  
External Outfall

Discharge:

002-B  
NON-CONTACT COOLING WATER

Report Dates & Status

Monitoring Period:

From 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

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

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            |         | # of Ex.           | Frequency of Analysis | Sample Type |
|-----------|------------------------------------|---------------------|----------|-------------|-------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|---------|--------------------|-----------------------|-------------|
| 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           | =           | 59.0                                                  | 15 - deg F | 0       | 99/99 - Continuous | MS - Measured         |             |
|           |                                    |                     |          |             | 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      | =                   | 0.14           | =           | 0.42             | 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                                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                |             |                  | =        | 7.2                                                   |         |             |                | =           | 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      |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            | 12 - SU | 01/07 - Weekly     | GR - Grab             |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           |            |         |                    |                       |             |
|           |                                    |                     |          |             | 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      |                     |                |             |                  |          |                                                       |         | <           | 2.0            | =           | 4.2                                                   | 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  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
| 00530     | Solids, total suspended            | 2 - Effluent Net    | 0        | --          | Sample      |                     |                |             |                  |          |                                                       |         | <           | 2.0            | =           | 4.2                                                   | 19 - mg/L  | 0       | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Permit Req. |                     |                |             |                  |          |                                                       |         | <=          | 20.0 MO AVG    | <=          | 40.0 DAILY MX                                         | 19 - mg/L  |         | 01/07 - Weekly     | 06 - 6 Hour Composite |             |
|           |                                    |                     |          |             | Value NODI  |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             |             |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |         |                    |                       |             |
|           |                                    |                     |          |             | Sample      |                     |                |             |                  |          |                                                       |         | <           | 5.0            | <           | 5.0                                                   | 19 - mg/L  |         | 01/07 - Weekly     | 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 Permit Req. |  |                                                       |  |                                                       |           |  |  |  | = | 1500.0                                                | =  | 2700.0                                                | 19 - mg/L | 0 | 01/07 - Weekly | 06 - 6 Hour Composite |
|       |                         |                    |   |    | Value NODI         |  |                                                       |  |                                                       |           |  |  |  |   | Req Mon MO AVG                                        |    | Req Mon DAILY MX                                      | 19 - mg/L |   |                |                       |
|       |                         |                    |   |    |                    |  |                                                       |  |                                                       |           |  |  |  |   |                                                       |    |                                                       |           |   |                |                       |

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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 4/28/26 until 6/8/26. Copper injection system secured 11/11/25. 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: 2026-06-18 13:39 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-06-26 09:22 (Time Zone: -04:00)

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Permit

Permit #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03B  
External Outfall

Discharge:

03B-M  
STRAINER BACKWASH & STORM WATE

Report Dates & Status

Monitoring Period:

From 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type    |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|----------------|
| 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        |                     |                |             |                  |          |                                                       |         | =           | 53.0           | =           | 55.0                                                  | 15 - deg F | 0        | 99/99 - Continuous    | MS - Measured  |
|           |                                    |                     |          |             | 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        | =                   | 0.00000019     | =           | 0.0000052        | 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                                 | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |          | 01/07 - Weekly        | GR - Grab      |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 5.6            | =           | 5.6                                                   | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | Sample Permit |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       | 19 -       |          |                       | GR -           |

|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  |                                                       |  |                                                       |      |                |           |
|-------|-----------------------|--------------------|---|----|-------------------------------|-------------------------------------------------------|----------------|-------------------------------------------------------|------------------|-----------|--|--|--|-------------------------------------------------------|--|-------------------------------------------------------|------|----------------|-----------|
| 01042 | Copper, total [as Cu] | 1 - Effluent Gross | 0 | -- | Req. Value NODI               |                                                       |                |                                                       |                  |           |  |  |  | Req Mon MO AVG                                        |  | Req Mon DAILY MX                                      | mg/L | 01/07 - Weekly | Grab      |
|       |                       |                    |   |    |                               |                                                       |                |                                                       |                  |           |  |  |  | 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. Value NODI |                                                       | Req Mon MO AVG |                                                       | Req Mon DAILY MX | 26 - lb/d |  |  |  |                                                       |  |                                                       |      | 01/07 - Weekly | GR - Grab |
|       |                       |                    |   |    |                               | 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 on 4/28/26 until 6/8/26. Copper injection system secured 11/11/25. 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: 2026-06-18 13:40 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-06-26 09:22 (Time Zone: -04:00)

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 #:  
Major:

NY0005851  
No

Permittee:  
Permittee Address:

USDOE-NAVAL REACTORS LAB FIELD OFFICE  
PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:  
Facility Location:

USDOE KNOLLS ATOMIC POWER LAB  
2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

03D  
External Outfall

Discharge:

03D-M  
NONCONTACT COOLING AND STORM WATER

Report Dates & Status

Monitoring Period:

From 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

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:  
Last Name:

Michael  
Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI: --

| Parameter |                                    | Monitoring Location | Season # | Param. NODI |               | Quantity or Loading |                |             |                  |          | Quality or Concentration                              |         |             |                |             |                                                       |            | # of Ex. | Frequency of Analysis | Sample Type    |
|-----------|------------------------------------|---------------------|----------|-------------|---------------|---------------------|----------------|-------------|------------------|----------|-------------------------------------------------------|---------|-------------|----------------|-------------|-------------------------------------------------------|------------|----------|-----------------------|----------------|
| 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           | =           | 54.0                                                  | 15 - deg F | 0        | 99/99 - Continuous    | MS - Measured  |
|           |                                    |                     |          |             | 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        | =                   | 0.0093         | =           | 0.05             | 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                                 | 1 - Effluent Gross  | 0        | --          | Sample        |                     |                |             |                  | =        | 7.5                                                   |         |             |                | =           | 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        |                     |                |             |                  | >=       | 6.5 MINIMUM                                           |         |             |                | <=          | 9.0 MAXIMUM                                           | 12 - SU    |          | 01/07 - Weekly        | GR - Grab      |
|           |                                    |                     |          |             | Permit Req.   |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | 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        |                     |                |             |                  |          |                                                       |         | =           | 95.0           | =           | 95.0                                                  | 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    |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             |               |                     |                |             |                  |          |                                                       |         |             |                |             |                                                       |            |          |                       |                |
|           |                                    |                     |          |             | 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**

Installed instrumentation provides continuous flow and temperature measurements. The River Water System was secured for maintenance starting on 4/28/26 until 6/8/26. Copper injection system secured 11/11/25. 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: 2026-06-18 13:41 (Time Zone: -04:00)

**Report Last Signed By**

User: MICHAEL.MADIGAN

Name: Michael Madigan

E-Mail: michael.madigan@unnpp.gov

Date/Time: 2026-06-26 09:22 (Time Zone: -04:00)

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

Major:

No

Permittee:

USDOE-NAVAL REACTORS LAB FIELD OFFICE

Permittee Address:

PO BOX 1069  
SCHENECTADY, NY 123011069

Facility:

USDOE KNOLLS ATOMIC POWER LAB

Facility Location:

2401 RIVER ROAD  
NISKAYUNA, NY 12309

Permitted Feature:

SUM  
External Outfall

Discharge:

SUM-M  
COPPER ION GENERATOR SUM TOTAL

Report Dates & Status

Monitoring Period:

From 05/01/26 to 05/31/26

DMR Due Date:

06/28/26

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Michael

Last Name:

Madigan

Title:

ESH Director

Telephone:

518-395-7470

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                       | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                                                       |             |                                                       | Quality or Concentration |             |         |             |         |             |         | # of Ex. | Frequency of Analysis | Sample Type |
|-----------|-----------------------|---------------------|----------|-------------|-------------|---------------------|-------------------------------------------------------|-------------|-------------------------------------------------------|--------------------------|-------------|---------|-------------|---------|-------------|---------|----------|-----------------------|-------------|
| 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      |                     |                                                       |             |                                                       |                          |             |         |             |         |             |         |          | 01/07 - Weekly        | GR - Grab   |
|           |                       |                     |          |             | Permit Req. | <=                  | 0.6 MO AVG                                            | <=          | 1.1 DAILY MX                                          | 26 - lb/d                |             |         |             |         |             |         |          |                       |             |
|           |                       |                     |          |             | 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 11/11/25. 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:

2026-06-18 13:41 (Time Zone: -04:00)

Report Last Signed By

User:

MICHAEL.MADIGAN

Name:

Michael Madigan

E-Mail:

michael.madigan@unnpp.gov

Date/Time:

2026-06-26 09:22 (Time Zone: -04:00)