

# CH2MHILL • BWXT West Valley, LLC

*West Valley Demonstration Project*

Ms. Angela M. Cooney, Contracting Officer  
U. S. Department of Energy  
550 Main St., Room 7-010  
Cincinnati, OH 45202

AC-PRES  
WD:2020:0221  
March 18, 2020

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period February 1 through February 29, 2020

Dear Ms. Cooney:

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period February 1 through February 29, 2020 has been submitted electronically. A copy of this submittal is attached as well as a copy of the email confirmation from the New York State Department of Environmental Conservation (NYSDEC).

If you have any questions, please contact William Kean at extension 4865 or Janice Williams at extension 4602.

Sincerely,



John D. Rendall  
Acting General Manager

JDR:WKN:bnj

Attachments: A) SPDES DMR for February 1 – February 29, 2020  
B) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP  
C. Chun, CHBWV  
L. K. Hollfelder, CHBWV  
W. N. Kean, CHBWV  
D. P. Klenk, CHBWV  
L. J. Ortega, CHBWV  
J. T. Pillittere, CHBWV (Public Reading Room)  
J. D. Williams, CHBWV  
Letter Log (B. Jeffery), CHBWV  
CHBWV OITS #1930332

**Attachment A**  
**SPDES DMR**

ATTACHMENT

**SPDES DISCHARGE MONITORING REPORT - FEBRUARY 1 THROUGH FEBRUARY 29, 2020  
NET IRON EFFLUENT CONCENTRATION CALCULATION  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973**

$$\begin{aligned}\text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 685998.36 \text{ mg/month} \\ X1 &= 0.0527 \text{ mg/L} \\ X2 &= 0.154 \text{ mg/L} \\ V1 &= 6637623.19 \text{ L/month}\end{aligned}$$

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$$\begin{aligned}\text{OUTFALL 007} &= M7 = \frac{(X1 + X2) V7}{2} = 0.00 \text{ mg/month} \\ X1 &= 0.00 \text{ mg/L} \\ X2 &= 0.00 \text{ mg/L} \\ V7 &= 0.00 \text{ L/month}\end{aligned}$$

Note: There was no discharge from outfall 007 during this monitoring period.

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$$\begin{aligned}\text{RAW WATER} &= MRW = \frac{(X1 + X2 + X3 + X4) VRW}{4} = 0.00 \text{ mg/month} \\ X1 &= 0.00 \text{ mg/L} \\ X2 &= 0.00 \text{ mg/L} \\ X3 &= 0.00 \text{ mg/L} \\ X4 &= 0.00 \text{ mg/L} \\ VRW &= 0.00 \text{ L/month}\end{aligned}$$

Note: Raw water from the reservoir system is no longer used for process water since the site installed two groundwater wells. This eliminated the need to collect raw water samples on a weekly basis and altered the iron discharge concentration equation as the mass of iron entering the system is no longer necessary.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - MRW}{V1 + V7} = 0.10 \text{ mg/L}$$

ATTACHMENT (Cont'd)

**SPDES DISCHARGE MONITORING REPORT - FEBRUARY 1 THROUGH FEBRUARY 29, 2020  
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973**

Date: February 12, 2020

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= ((0.208 \text{ MGD})(881 \text{ mg/L}) + (0.000 \text{ MGD})(0 \text{ mg/L}) + (0.418 \text{ MGD})(126 \text{ mg/L})) / (0.625 \text{ MGD}) \\ &= 377 \text{ mg/L} \end{aligned}$$

C2 TDS concentration in Franks Creek taken just prior to the discharge was above 500 mg/L and was therefore not used in the above calculation.

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Date: February 18, 2020

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= (0.208 \text{ MGD})(1240 \text{ mg/L}) + (0.687 \text{ MGD})(244 \text{ mg/L}) + (0.418 \text{ MGD})(113 \text{ mg/L}) / 1.313 \text{ MGD} \\ &= 360 \text{ mg/L} \end{aligned}$$

- 
- Q1 = Flow at Outfall 001, million gallons per day (MGD).
- C1 = Total Dissolved Solids (TDS) concentration at Outfall 001, mg/L.
- Q2 = Flow in Franks Creek, MGD (without Outfall 001), measured at WNSP006 just prior to, and shortly after the discharge event.
- C2 = TDS concentration in Franks Creek measured at WNSP006 just prior to, and shortly after the discharge event.
- Q3 = Flow of augmentation water, MGD, if required.
- C3 = TDS concentration in augmentation water, MGD.
- Q4 = Q1 + Q2 + Q3, MGD (Flow in Franks Creek, including Outfall 001).
- C4 <= 500 mg/L (calculated TDS concentration at 116 in Franks Creek, which includes Outfall 001).

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW  
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD  
WEST VALLEY, NY 14171-9799

Permitted Feature:

001  
External Outfall

Discharge:

001-M  
OUTFALL 001 MONTHLY PROC WW, GW, STORM

Report Dates & Status

Monitoring Period:

From 02/01/20 to 02/29/20

DMR Due Date:

03/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--



DMR Copy of Record

Permit

Permit #:NY0000973

Major:Yes

Permitted Feature:007  
External Outfall

Permittee:U.S. DEPT OF ENERGY

Permittee Address:1000 INDEPENDENCE AVE SW  
WASHINGTON, DC 20585

Discharge:007-M  
SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

Facility:WEST VALLEY DEMONSTRATION PROJ

Facility Location:10282 ROCK SPRINGS ROAD  
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:From 02/01/20 to 02/29/20

DMR Due Date:03/28/20

Status:NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:Bryan C.

Last Name:Bower

Title:Director, USDOE-WVDP

Telephone:716-942-4368

No Data Indicator (NODI)

Form NODI:--

| Parameter |                                          | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                  |             |                  |          | Quality or Concentration |         |                  |             |                  |                  |           | # of Ex. | Frequency of Analysis   | Sample Type |
|-----------|------------------------------------------|---------------------|----------|-------------|-------------|---------------------|------------------|-------------|------------------|----------|--------------------------|---------|------------------|-------------|------------------|------------------|-----------|----------|-------------------------|-------------|
| Code      | Name                                     |                     |          |             |             | Qualifier 1         | Value 1          | Qualifier 2 | Value 2          | Units    | Qualifier 1              | Value 1 | Qualifier 2      | Value 2     | Qualifier 3      | Value 3          | Units     |          |                         |             |
| 00181     | Oxygen demand, ultimate                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | CA - CALCTD |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 22.0 DAILY MX    | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00300     | Oxygen, dissolved [DO]                   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  | >=       | 3.0 MINIMUM              |         |                  |             |                  | Req Mon MAXIMUM  | 19 - mg/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          | C - No Discharge         |         |                  |             |                  | C - No Discharge |           |          |                         |             |
| 00310     | BOD, 5-day, 20 deg. C                    | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 10.0 DAILY MX    | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00400     | pH                                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  | >=       | 6.5 MINIMUM              |         |                  | <=          | 8.5 MAXIMUM      | 12 - SU          |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          | C - No Discharge         |         |                  |             | C - No Discharge |                  |           |          |                         |             |
| 00530     | Solids, total suspended                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | <=               | 30.0 MO AVG | <=               | 45.0 DAILY MX    | 19 - mg/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00545     | Solids, settleable                       | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 0.3 DAILY MX     | 25 - mL/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00556     | Oil & Grease                             | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 15.0 DAILY MX    | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00615     | Nitrogen, nitrite total [as N]           | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 0.1 DAILY MX     | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 00625     | Nitrogen, Kjeldahl, total [as N]         | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   |             | Req Mon DAILY MX | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 01045     | Iron, total [as Fe]                      | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   |             | Req Mon DAILY MX | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 34726     | Nitrogen, ammonia, total [as NH3]        | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | 24 - COMP24 |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | <=               | 1.49 MO AVG | <=               | 2.1 DAILY MX     | 19 - mg/L |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 50050     | Flow, in conduit or thru treatment plant | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | CN - CONTIN |
|           |                                          |                     |          |             | Permit Req. |                     | Req Mon MO AVG   |             | Req Mon DAILY MX | 03 - MGD |                          |         |                  |             |                  |                  |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     | C - No Discharge |             | C - No Discharge |          |                          |         |                  |             |                  |                  |           |          |                         |             |
| 50060     | Chlorine, total residual                 | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 0.1 DAILY MX     | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 70295     | Solids, total dissolved                  | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 02/30 - Twice Per Month | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   |             | Req Mon DAILY MX | 19 - mg/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |
| 71900     | Mercury, total [as Hg]                   | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |          |                          |         |                  |             |                  |                  |           |          | 01/30 - Monthly         | GR - GRAB   |
|           |                                          |                     |          |             | Permit Req. |                     |                  |             |                  |          |                          |         | Req Mon MO AVG   | <=          | 50.0 DAILY MX    | 3M - ng/L        |           |          |                         |             |
|           |                                          |                     |          |             | Value NODI  |                     |                  |             |                  |          |                          |         | C - No Discharge |             | C - No Discharge |                  |           |          |                         |             |

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbww.com  
Name: William Kean  
E-Mail: william.kean@chbww.com  
Date/Time: 2020-03-17 07:11 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbww.com  
Name: Janice Williams  
E-Mail: janice.williams@chbww.com  
Date/Time: 2020-03-17 09:34 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW  
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD  
WEST VALLEY, NY 14171-9799

Permitted Feature:

01B  
Internal Outfall

Discharge:

01B-M  
MERCURY PRETREATMENT

Report Dates & Status

Monitoring Period:

From 02/01/20 to 02/29/20

DMR Due Date:

03/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

| Parameter |                        | Monitoring Location | Season # | Param. NODI |             | Quantity or Loading |                  |             |                  |            | Quality or Concentration |         |             |                   |                  |           |       | # of Ex. | Frequency of Analysis   | Sample Type |
|-----------|------------------------|---------------------|----------|-------------|-------------|---------------------|------------------|-------------|------------------|------------|--------------------------|---------|-------------|-------------------|------------------|-----------|-------|----------|-------------------------|-------------|
| 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      |                     |                  |             |                  |            |                          |         |             |                   |                  |           |       |          | 01/07 - Weekly          | CN - CONTIN |
|           |                        |                     |          |             | Permit Req. |                     | Req Mon MO AVG   |             | Req Mon DAILY MX | 07 - gal/d |                          |         |             |                   |                  |           |       |          |                         |             |
|           |                        |                     |          |             | Value NODI  |                     | C - No Discharge |             | C - No Discharge |            |                          |         |             |                   |                  |           |       |          |                         |             |
| 71900     | Mercury, total [as Hg] | 1 - Effluent Gross  | 0        | --          | Sample      |                     |                  |             |                  |            |                          |         |             |                   |                  |           |       |          | 02/BA - Twice Per Batch | GR - GRAB   |
|           |                        |                     |          |             | Permit Req. |                     |                  |             |                  |            |                          |         |             | Req Mon MO AVG <= | 50.0 DAILY MX    | 3M - ng/L |       |          |                         |             |
|           |                        |                     |          |             | Value NODI  |                     |                  |             |                  |            |                          |         |             | C - No Discharge  | C - No Discharge |           |       |          |                         |             |

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbwv.com

Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2020-03-17 07:12 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2020-03-17 09:34 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW  
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD  
WEST VALLEY, NY 14171-9799

Permitted Feature:

116  
Internal Outfall

Discharge:

116-M  
PSEUDO MON. POINT @FRANKS CRK

Report Dates & Status

Monitoring Period:

From 02/01/20 to 02/29/20

DMR Due Date:

03/28/20

Status:

NetDMR Validated

Considerations for Form Completion

IF PSUEDO MONITORING POINT REPORT IS NOT REQUIRED DURING THE MONITORING PERIOD, EITHER CHECK THENO DISCHARGE BOX OR ENTER 'NODI A'IN PLACE OF A MEASUREMENT TO INDICATE A GENERAL PERMIT EXEMPTION.

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

| Parameter | Monitoring Location     | Season #                | Param. NODI |    | Quantity or Loading                           | Quality or Concentration                                          | # of Ex. | Frequency of Analysis       | Sample Type |
|-----------|-------------------------|-------------------------|-------------|----|-----------------------------------------------|-------------------------------------------------------------------|----------|-----------------------------|-------------|
| Code      | Name                    |                         |             |    | Qualifier 1 Value 1 Qualifier 2 Value 2 Units | Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Units |          |                             |             |
| 70295     | Solids, total dissolved | Z - Instream Monitoring | 0           | -- |                                               | = 369.0 = 377.0 19 - mg/L                                         |          | 02/DS - Twice Per Discharge | CA - CALCTD |
|           |                         |                         |             |    |                                               | Req Mon MO AVG <= 500.0 DAILY MX 19 - mg/L                        | 0        | 02/DS - Twice Per Discharge | CA - CALCTD |
|           |                         |                         |             |    |                                               |                                                                   |          |                             |             |

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) GEL : NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWV wastewater treatment plant operators is 0.01 mg/L.

Attachments

| Name                                   | Type | Size     |
|----------------------------------------|------|----------|
| WVDP_February_2020_TDS_Calculation.pdf | pdf  | 269509.0 |

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbwv.com

Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2020-03-17 07:13 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2020-03-17 09:34 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW  
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD  
WEST VALLEY, NY 14171-9799

Permitted Feature:

SUM  
Internal Outfall

Discharge:

SUM-N  
SUM OF OUTFALLS 1 & 7

Report Dates & Status

Monitoring Period:

From 02/01/20 to 02/29/20

DMR Due Date:

03/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

| Parameter | Monitoring Location | Season #         | Param. NODI |    | Quantity or Loading |         |             |         |       | Quality or Concentration |         |             |                |             |              | # of Ex.  | Frequency of Analysis | Sample Type     |
|-----------|---------------------|------------------|-------------|----|---------------------|---------|-------------|---------|-------|--------------------------|---------|-------------|----------------|-------------|--------------|-----------|-----------------------|-----------------|
| Code      | Name                |                  |             |    | Qualifier 1         | Value 1 | Qualifier 2 | Value 2 | Units | Qualifier 1              | Value 1 | Qualifier 2 | Value 2        | Qualifier 3 | Value 3      | Units     |                       |                 |
| 01045     | Iron, total [as Fe] | 2 - Effluent Net | 0           | -- | Sample              |         |             |         |       |                          |         | =           | 0.1            | =           | 0.1          | 19 - mg/L |                       | 01/30 - Monthly |
|           |                     |                  |             |    | Permit Req.         |         |             |         |       |                          |         |             | Req Mon MO AVG | <=          | 1.0 DAILY MX | 19 - mg/L | 0                     | 01/30 - Monthly |
|           |                     |                  |             |    | Value NODI          |         |             |         |       |                          |         |             |                |             |              |           |                       |                 |

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWV wastewater treatment plant operators is 0.01 mg/L.

Attachments

| Name                                        | Type | Size     |
|---------------------------------------------|------|----------|
| WVDP_February_2020_Net_Iron_Calculation.pdf | pdf  | 227307.0 |

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbwv.com

Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2020-03-17 07:14 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2020-03-17 09:34 (Time Zone: -04:00)

**Attachment B**  
**Email Confirmation from NYSDEC**

## Bonnie Jeffery

---

**From:** netdmr-notification@epa.gov  
**Sent:** Tuesday, March 17, 2020 10:32 AM  
**To:** ewwohlers@cattco.org; William Kean; Bonnie Jeffery; Moira Maloney; Michael Pendl; R9.NetDMR  
Joseph Forti  
**Subject:** NetDMR DMR(s) Submittal Passed for: NY0000973

The following signed 5 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: \_e7ae3fd6-91a3-4454-9460-7f93f4822906

User ID: janice.williams@chbwv.com

Timestamp: 03/17/2020 09:34:24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001  
Discharge: M - OUTFALL 001 MONTHLY PROC WW, GW, STORM Monitoring Period End Date: 02/29/20

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007  
Discharge: M - SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER Monitoring Period End Date: 02/29/20

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B  
Discharge: M - MERCURY PRETREATMENT  
Monitoring Period End Date: 02/29/20

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116  
Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 02/29/20

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: SUM  
Discharge: N - SUM OF OUTFALLS 1 & 7  
Monitoring Period End Date: 02/29/20

Thank you.

This is a submission from the LIVE (Production) site.