Ms. Angela M. Cooney, Contracting Officer  
U.S. Department of Energy  
250 East 5th St., Suite 500  
Cincinnati, OH 45202  


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 28, 2019 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 2913.

Sincerely,

Scott A. Anderson  
President & General Manager

Attachments:  
A) SPDES DMR for February 1 – February 28, 2019  
B) Email Confirmation from NYSDEC

cc:  
T. Taggart, DOE-EMCBC  
B. C. Bower, DOE-WVDP  
C. Chun, CHBWV  
L. K. Hollfelder, CHBWV  
W. N. Kean, CHBWV  
L. J. Ortega, CHBWV  
J. T. Pillittere, CHBWV (Public Reading Room)  
D. H. Pritchard, CHBWV  
J. D. Rendall, CHBWV  
J. E. Wangelin, CHBWV  
J. D. Williams, CHBWV  
Letter Log (B. Jeffery), CHBWV  
CHBWV OITS #1830425
Attachment A
SPDES DMR
OUTFALL 001 = M1 = \frac{(X1 + X2)}{2} V1 = 0 \text{ mg/month}

X1 = 0.00 \text{ mg/L}

X2 = 0.00 \text{ mg/L}

V1 = 0.00 \text{ L/month}

Note: There was no discharge from outfall 001 during this monitoring period.

OUTFALL 007 = M7 = \frac{(X1 + X2)}{2} V7 = 0.00 \text{ mg/month}

X1 = 0.00 \text{ mg/L}

X2 = 0.00 \text{ mg/L}

V7 = 0.00 \text{ L/month}

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

RAW WATER = MRW = \frac{(X1 + X2 + X3 + X4)}{4} VRW = 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}

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.

IRON DISCHARGE CONCENTRATION = \frac{M1 + M7 - MRW}{V1 + V7} = 0.00 \text{ mg/L}
## DMR Copy of Record

**Permit**
- Permit #: NY0000973
- Permittee: U.S. DEPT OF ENERGY
- Facility: WEST VALLEY DEMONSTRATION PROJ
- Permit #: NY0000973
- Permittee: U.S. DEPT OF ENERGY
- Facility Location: 10282 ROCK SPRINGS ROAD
- Permittee Address: 1000 INDEPENDENCE AVE SW
- Facility: 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 02/01/19 to 02/28/19
- DMR Due Date: 03/28/19
- 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)**

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<tr>
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<th>Permit Location</th>
<th>Requirement</th>
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<th>Sample Type</th>
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<td>Permit Req.</td>
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<td>Permit Req.</td>
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<td>Req Mon MO AVG</td>
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<td>Req Mon MO AVG</td>
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**Submission Note**
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**
No errors.

**Comments**
None.

**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: 2019-02-28 11:23 (Time Zone: -05:00)

**Report Last Signed By**
User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2019-03-13 12:17 (Time Zone: -04:00)
# DMR Copy of Record

**Permit**
- **Permit #:** NY0000973
- **Permittee:** U.S. DEPT OF ENERGY
- **Facility:** WEST VALLEY DEMONSTRATION PROJ
- **Facility Location:** 10282 ROCK SPRINGS ROAD
  WEST VALLEY, NY 14171-9799
- **Permittee Address:** 1000 INDEPENDENCE AVE SW
  WASHINGTON, DC 20585

**Permitted Feature:** 007 External Outfall
**Discharge:** 007-M
SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

**Report Dates & Status**
- **Monitoring Period:** From 02/01/19 to 02/28/19
- **DMR Due Date:** 03/28/19
- **Status:** NetDMR Validated

**Considerations for Form Completion**
- **Principal Executive Officer**
  - **First Name:** Bryan C.
  - **Title:** Director, USDOE-WVDP
  - **Telephone:** 716-942-4368
- **Last Name:** Bower
- **No Data Indicator (NODI)**
  - **Form NODI:** --

**Form NODI:**

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<td>Solids, total suspended</td>
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<td>Reg Mon MO AVG &lt;= 30 MO AVG</td>
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<td>01/30 - Monthly</td>
<td>GR - GRAB</td>
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</table>

**Submission Note**

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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**

<table>
<thead>
<tr>
<th>User</th>
<th><a href="mailto:william.kean@chbwv.com">william.kean@chbwv.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>William Kean</td>
</tr>
<tr>
<td>E-Mail</td>
<td><a href="mailto:william.kean@chbwv.com">william.kean@chbwv.com</a></td>
</tr>
<tr>
<td>Date/Time</td>
<td>2019-02-28 11:24</td>
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</tbody>
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**Report Last Signed By**

<table>
<thead>
<tr>
<th>User</th>
<th><a href="mailto:janice.williams@chbwv.com">janice.williams@chbwv.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Janice Williams</td>
</tr>
<tr>
<td>E-Mail</td>
<td><a href="mailto:janice.williams@chbwv.com">janice.williams@chbwv.com</a></td>
</tr>
<tr>
<td>Date/Time</td>
<td>2019-03-13 12:17</td>
</tr>
</tbody>
</table>
DMR Copy of Record

Permit

Permit #: NY0000973
Permittee: U.S. DEPT OF ENERGY
Facility: WEST VALLEY DEMONSTRATION PROJ
Major: Yes
Permittee Address: 1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585
Facility Location: 10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799
Permitted Feature: 01B
Discharge: 01B-M
Internal Outfall
MERCURY PRETREATMENT

Report Dates & Status
Monitoring Period: From 02/01/19 to 02/28/19
DMR Due Date: 03/28/19
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: --

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Monitoring Location</th>
<th>Season #</th>
<th>Param. NODI</th>
<th>Quantity or Loading</th>
<th>Quality or Concentration</th>
<th># of Ex</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>00056 Flow rate</td>
<td>Effluent Gross 1</td>
<td>0 -</td>
<td>Permit Req.</td>
<td>Req Mon MD AVG</td>
<td>Req Mon DAILY MX 07 - paid</td>
<td>C - No Discharge</td>
<td>C - No Discharge</td>
<td>21/07 - Weekly</td>
</tr>
<tr>
<td>71900 Mercury, total [as Hg]</td>
<td>Effluent Gross 1</td>
<td>0 -</td>
<td>Permit Req.</td>
<td>Req Mon MD AVG</td>
<td>&lt;= 50 DAILY MX</td>
<td>02/BA - Twice Per Batch</td>
<td>GR - GRAB</td>
<td></td>
</tr>
</tbody>
</table>

Submission Note
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the 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: 2019-02-28 11:24 (Time Zone: -05:00)

Report Last Signed By
User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2019-03-13 12:17 (Time Zone: -04:00)
## DMR Copy of Record

**Permit**
- Permit #: NY0000973
- Permittee: U.S. DEPT OF ENERGY
- Facility: WEST VALLEY DEMONSTRATION PROJ
- Permittee Address: 1000 INDEPENDENCE AVE SW
  WASHINGTON, DC 20585
- Facility Location: 10282 ROCK SPRINGS ROAD
  WEST VALLEY, NY 14171-9799
- Permitted Feature: Internal Outfall
- Discharge: 116-M
- Permittee Address: 1000 INDEPENDENCE AVE SW
  WASHINGTON, DC 20585
- Facility Location: 10282 ROCK SPRINGS ROAD
  WEST VALLEY, NY 14171-9799
- Monitoring Period: From 02/01/19 to 02/28/19
- DMR Due Date: 03/28/19
- Status: Not DMR Validated

### Considerations for Form Completion

If Pseudo Monitoring Point Report is not required during the monitoring period, either check theno discharge box or enter 'NODI a/n place of a measurement to indicate a general permit exemption.

### Principal Executive Officer
- First Name: Bryan
- Title: Director, USDOE-WVDP
- Telephone: 716-942-4368
- Last Name: Bower

### No Data Indicator (NODI)

<table>
<thead>
<tr>
<th>Parameter Name</th>
<th>Monitoring Location</th>
<th>Season</th>
<th>Param. NODI</th>
<th>Quality or Loading</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solids, total dissolved</td>
<td>Instream Monitoring</td>
<td>Z</td>
<td>0</td>
<td>Permit Req</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Submission Note

If a parameter row does not contain any values for the Sample or Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

### Edit Check Errors

No errors.

### Comments

None.

### Attachments

No attachments.

### Report Last Saved By
- User: william.kean@chbwv.com
- Name: William Kean
- E-Mail: william.kean@chbwv.com
- Date/Time: 2019-02-28 11:24 (Time Zone: -05:00)

### Report Last Signed By
- User: janice.williams@chbwv.com
- Name: Janice Williams
- E-Mail: janice.williams@chbwv.com
- Date/Time: 2019-03-13 12:17 (Time Zone: -04:00)
Permit 

Permit #: NY0000973 

Permittee: U.S. DEPT OF ENERGY 

Facility: WEST VALLEY DEMONSTRATION PROJ 

Permittee Address: 1000 INDEPENDENCE AVE SW 
WASHINGTON, DC 20585 

Facility Location: 10822 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 02/01/19 to 02/28/19 

DMR Due Date: 03/28/19 

Status: NetDMR Validated 

Considerations for Form Completion 

Principal Executive Officer 

First Name: Bryan C. 
Title: Director, USDOE-WVDP 
Telephone: 716-942-4368 

Last Name: Bower 

No Data Indicator (NODI) 

Form NODI: -- 

Parameter | Monitoring Location | Season | Param. NODI | Quantity or Loading | Quality or Concentration | # of Ex. | Frequency of Analysis | Sample Type 
--- | --- | --- | --- | --- | --- | --- | --- | --- 
01045 Iron, total [as Fe] | 2 Effluent Net | 0 | Sample Permit Req. | Req Min MR AVG <= | 1 DAILY MX | 19 - mg/L | 01/30 - Monthly | CA - CALC'TD 

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 

<table>
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<th>Name</th>
<th>Type</th>
<th>Size</th>
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<tbody>
<tr>
<td>WVDP_February_2019_Net_Iron_Calculation.pdf</td>
<td>pdf</td>
<td>294955</td>
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</table>

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: 2019-03-13 10:05 (Time Zone: -04:00) 

Report Last Signed By 

User: janice.williams@chbwv.com 

Name: Janice Williams 

E-Mail: janice.williams@chbwv.com 

Date/Time: 2019-03-13 12:17 (Time Zone: -04:00)