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 August 1 through August 31, 2018 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 August 1 - August 31, 2018
B) Email Confirmation from NYSDEC

cc: T. Taggart, DOE-EMCBBC
B. C. Bower, DOE-WVDP
C. Chun, CHBWV
T. D. Dogal, 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. E. Wangelin, CHBWV
J. D. Williams, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #1730483
Attachment A
SPDES DMR
DMR Copy of Record

Permit
Permit #: NY0000973 Permittee: U.S. DEPT OF ENERGY
Major: Yes Permittee Address: 1000 INDEPENDENCE AVE SW
Permitted Feature: 001 Facility: WEST VALLEY DEMONSTRATION PROJ
Discharge: 001-M Permit Location: 10622 ROCK SPRINGS ROAD
Permit #: NY0000973 WEST VALLEY, NY 14171-9799
Permittee: U.S. DEPT OF ENERGY Permittee Address: 1000 INDEPENDENCE AVE SW
Facility: WEST VALLEY DEMONSTRATION PROJ
Facility Location: 10622 ROCK SPRINGS ROAD
Permitted Feature: 001 Discharge: 001-M

Report Dates & Status
Monitoring Period: From 08/01/18 to 08/31/18 DMR Due Date: 09/28/18
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: --

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<thead>
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<th>Name</th>
<th>Season</th>
<th>Permit Req.</th>
<th>Monitor</th>
<th>Qualifier</th>
<th>Value</th>
<th>Units</th>
<th>Qualifier</th>
<th>Value</th>
<th>Units</th>
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<td>Permit Req.</td>
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<td>GR - GRAB</td>
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<td>Frequency of Analysis</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**

No comments.
**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:** 007 External Outfall
- **Discharge:** 007-M SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

**Report Dates & Status**
- **Monitoring Period:** From 08/01/18 to 08/31/18
- **DMR Due Date:** 09/28/18
- **Status:** NetDMR Validated

**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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**Submission Note**
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.
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<td>U.S. DEPT OF ENERGY</td>
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<tr>
<td>User:</td>
<td><a href="mailto:william.kean@chbwv.com">william.kean@chbwv.com</a></td>
</tr>
<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>2018-09-10 14:54  (Time Zone: -04:00)</td>
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<td>Report Last Signed By</td>
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<tr>
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<tr>
<td>Name:</td>
<td>Janice Williams</td>
</tr>
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<td>E-Mail:</td>
<td><a href="mailto:janice.williams@chbwv.com">janice.williams@chbwv.com</a></td>
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<tr>
<td>Date/Time:</td>
<td>2018-09-19 16:28  (Time Zone: -04:00)</td>
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</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 Internal Outfall
Discharge: 01B-M MERCURY PRETREATMENT

Report Dates & Status
Monitoring Period: From 08/01/18 to 08/31/18
DMR Due Date: 09/28/18
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: --

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<th>Season</th>
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<th>Quality or Concentration</th>
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<td>Req Mon MD AVG</td>
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<td>02/BA - Twice Per Batch</td>
<td>GR - GRAB</td>
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</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: 2018-09-10 14:54 (Time Zone: -04:00)

Report Last Signed By
User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2018-09-19 16:28 (Time Zone: -04:00)
DMR Copy of Record

Permit
Permit #: NY0000973
Major: Yes
Permitted Feature: 116 Internal Outfall
Discharge: 116-M PSEUDO MON. POINT @FRANKS CRK

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

Permittee: U.S. DEPT OF ENERGY
Permittee Address: 1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Report Dates & Status
Monitoring Period: From 08/01/18 to 08/31/18
DMR Due Date: 09/28/18
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 # | Code | Name | Qualifier 1 | Qualifier 2 | Qualifier 3 | Value 1 | Units | Qualifier 1 | Qualifier 2 | Qualifier 3 | Value 2 | Units | Qualifier 1 | Qualifier 2 | Qualifier 3 | Value 3 | Units | Frequency of Analysis | Sample Type
70295 | Solids, total dissolved | Z - Instream Monitoring | 0 | Solids | Permit Req | Permit Req | Permit Req | Permit Req | 500 | DAILY MX | 10 | mg/L | 900 | DAILY MX | 10 | mg/L | 900 | DAILY MX | 10 | mg/L | 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

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: 2018-09-10 14:54 (Time Zone: -04:00)

Report Last Signed By
User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2018-09-19 16:28 (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: SUM Internal Outfall
Discharge: SUM-N SUM OF OUTFALLS 1 & 7

Report Dates & Status
Monitoring Period: From 08/01/18 to 08/31/18
DMR Due Date: 09/28/18
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: --

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<th># of Ex.</th>
<th>Frequency of Analysis</th>
<th>Sample Type</th>
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<td>2</td>
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<td>Sample Req.</td>
<td>Req Mon MO AVG &lt;= 19 - mg/L</td>
<td>01/30 - Monthly</td>
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<td>Value NODI</td>
<td>C - No Discharge</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

Attachments

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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: 2018-09-10 14:55 (Time Zone: -04:00)

Report Last Signed By
User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2018-09-19 16:28 (Time Zone: -04:00)
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

OUTFALL 001  =  M1 = (X1 + X2) V1  =  0 mg/month

X1  =  0.00 mg/L
X2  =  0.00 mg/L
V1  =  0.00 L/month

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

OUTFALL 007  =  M7 = (X1 + X2) V7  =  0.00 mg/month

X1  =  0.00 mg/L
X2  =  0.00 mg/L
V7  =  0.00 L/month

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

RAW WATER  =  MRW = (X1 + X2 + X3 + X4) VRW =  0.00 mg/month

X1  =  0.00 mg/L
X2  =  0.00 mg/L
X3  =  0.00 mg/L
X4  =  0.00 mg/L
VRW  =  0.00 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 = M1 + M7 - MRW
                          V1 + V7  =  0.00 mg/L
Attachment B
Email Confirmation from NYSDEC
The following signed 5 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _98f16290-dec4-401a-916e-35e6cd252026
User ID: janice.williams@chbwv.com
Timestamp: 09/19/2018 16:28:56

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: 08/31/18

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: 08/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B Discharge: M - MERCURY PRETREATMENT Monitoring Period End Date: 08/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116 Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 08/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: SUM Discharge: N - SUM OF OUTFALLS 1 & 7 Monitoring Period End Date: 08/31/18

Thank you.

This is a submission from the LIVE (Production) site.
Subject: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Monitoring System (SPDES) Discharge Monitoring Reports for July 1, 2018 – July 31, 2018

Does this Correspondence Respond to any DOE or Regulator Correspondence?
[X] No
[ ] Yes – If yes, then identify the following: Correspondence Code: __________ OITS Number: __________

Does this correspondence contain Official Use Only (OUO) information?
[i.e., information is certain unclassified information that may be exempt from public release under the Freedom of Information Act (FOIA), (Exemptions 3-9) and has the potential to damage governmental, commercial, or private interests if disseminated to persons who do not need to know the information to perform their jobs or other DOE authorized activities; refer to WVDP-402 for additional guidance on this determination.]
[X] No
[ ] Yes - If yes, ensure the document(s) is properly stamped and marked as OUO per requirements of WVDP-402. If Administratively Confidential or Proprietary, documentation must also be properly marked as such per requirements of WVDP-402.

Does this correspondence contain ECI (OUO, FOIA Exemption 3)?
[i.e., technical information that would be restricted by statute; refer to WVDP-402 for guidance on this determination.]
[X] No
[ ] Yes - If yes, ensure the document(s) is properly stamped and marked as ECI and OUO per requirements of WVDP-402 and Export Technology Control Officer (ETCO) or trained alternate signature & date are obtained on the document(s).

OUO Reviewer/ECI Screener or ECI Document Reviewer: K. J. Mansfield

Funding Commitment
Does this correspondence commit funds?
[X] No
[ ] Yes - If yes, then obtain Business Manager/CFO and Planning & Integration Manager review.

REVIEWS APPROVALS (only used for hard copy process)

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<tr>
<th>Printed Name</th>
<th>Signature</th>
<th>Date</th>
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Reviewer initial & date indicating satisfactory resolution of disapproved comments:
(only used for hard copy process)