

CH2MHILL • BWXT West Valley, LLC

West Valley Demonstration Project

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

AC-PRES
WD:2024:0292
April 10, 2024

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period March 1, 2024 through March 31, 2024

Dear Ms. Splitt:

This letter is being submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period March 1, through March 31, 2024 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 (716) 942-4865 or Elizabeth Lowes at (716) 481-0429.

Sincerely,

**JASON
CASPER
(Affiliate)**

Digitally signed by
JASON CASPER
(Affiliate)
Date: 2024.04.10
08:02:19 -04'00'

Jason L. Casper
President & General Manager

JLC:WNK:mlv

Attachments: A) SPDES DMR for March 1 through March 31, 2024
B) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP
J. M. Dundas, DOE-WVDP
J. T. DesMarais, DOE-WVDP
W. T. Frederick, DOE-WVDP
S. A. Cherry, CHBWV
C. Chun, CHBWV
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
E. A. Lowes, CHBWV
J. K. Mantione, CHBWV
D. M. Martinet, CHBWV
J. T. Pillittere, CHBWV (Public Reading Room)
R. E. Steiner, CHBWV
M. Varner, CHBWV
K. A. Wooley, CHBWV
Letter Log (M. Varner), CHBWV
CHBWV OITS #2330377

Attachment A
SPDES DMR

ATTACHMENT

SPDES DISCHARGE MONITORING REPORT - MARCH 1 THROUGH MARCH 31, 2024
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\text{OUTFALL 001} = M1 = \frac{(X1 + X2) V1}{2} = 0 \text{ mg/month}$$

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

$$V1 = 0.00 \text{ L/month}$$

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

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

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

$$V7 = 0.00 \text{ L/month}$$

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

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

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

$$X3 = 0.00 \text{ mg/L}$$

$$X4 = 0.00 \text{ mg/L}$$

$$VRW = 0.00 \text{ L/month}$$

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.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - MRW}{V1 + V7} = 0.00 \text{ mg/L}$$

DMR Copy of Record

Permit		Permittee: U.S. DEPT OF ENERGY		Facility: WEST VALLEY DEMONSTRATION PROJ														
Permit #: NY0000973	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 03/01/24 to 03/31/24	DMR Due Date: 04/28/24	Status: NetDMR Validated																
Considerations for Form Completion																		
Principal Executive Officer																		
First Name: Bryan C.	Title: Director, USDOE-WVDP	Telephone: 716-942-4368																
Last Name: Bower																		
No Data Indicator (NODI)																		
Form NODI: --																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3
00056	Flow rate	1 - Effluent Gross	0	--	Sample Permit Req.	Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d								01/07 - Weekly	CN - CONTIN
					Value NODI	C - No Discharge		C - No Discharge										
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample Permit Req.							Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		02/BA - Twice Per Batch	GR - GRAB
					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:	2024-04-08 07:23 (Time Zone: -04:00)																	
Report Last Signed By																		
User:	ELIZABETH.LOWES@CHBWV.COM																	
Name:	Elizabeth Lowes																	
E-Mail:	elizabeth.lowes@chbwv.com																	
Date/Time:	2024-04-08 08:54 (Time Zone: -04:00)																	

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: 116 Internal Outfall	Discharge: 116-M PSEUDO MON. POINT @FRANKS CRK	

Report Dates & Status

Monitoring Period: From 03/01/24 to 03/31/24	DMR Due Date: 04/28/24	Status: NetDMR Validated
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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.	Title: Director, USDOE-WVDP	Telephone: 716-942-4368
Last Name: Bower		

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
70295	Solids, total dissolved	Z - Instream Monitoring	0	--							Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD	
											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:	2024-04-08 07:24 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2024-04-08 08:54 (Time Zone: -04:00)

Attachment B
Email Confirmation from NYSDEC

From: netdmr-notification@epa.gov
To: [Elizabeth Lowes](mailto:Elizabeth.Lowes@dow.com); DOW.spdesDMR@dec.ny.gov; [Robert Steiner](mailto:Robert.Steiner@dec.ny.gov); [Matia Varner](mailto:Matia.Varner@dec.ny.gov); [William Frederick](mailto:William.Frederick@dec.ny.gov); rwiring@cattco.org; [Elizabeth Lowes](mailto:Elizabeth.Lowes@dow.com); [Jamie Prowse](mailto:Jamie.Prowse@dec.ny.gov); [Jennifer Dundas](mailto:Jennifer.Dundas@dec.ny.gov); [Joshua Desmarais](mailto:Joshua.Desmarais@dec.ny.gov); R9.NetDMR@dec.ny.gov; [William Kean](mailto:William.Kean@dec.ny.gov); [Bonnie Jeffery](mailto:Bonnie.Jeffery@dec.ny.gov); [Michael Pendl](mailto:Michael.Pendl@dec.ny.gov)
Subject: NetDMR COR Submission Received for: NY0000973
Date: Monday, April 8, 2024 8:55:41 AM
Attachments: [NetDMR_COR_8133216_NY0000973_01B_M_20240331.zip](#)
[NetDMR_COR_8133213_NY0000973_001_M_20240331.zip](#)
[NetDMR_COR_8133217_NY0000973_116_M_20240331.zip](#)
[NetDMR_COR_8133218_NY0000973_SUM_N_20240331.zip](#)
[NetDMR_COR_8133214_NY0000973_007_M_20240331.zip](#)
[NetDMR_COR_8133215_NY0000973_007_W_20240331.zip](#)

NetDMR has received the following 6 DMR(s) during the signing process.

CORs have been created for the following DMRs. These DMRs will be forwarded for further processing:

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 03/31/24
Signing Status: SIGNED SUCCESSFULLY
Comment:
Attachments included in the COR: No

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: 03/31/24
Signing Status: SIGNED SUCCESSFULLY
Comment:
Attachments included in the COR: No

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK
Monitoring Period End Date: 03/31/24
Signing Status: SIGNED SUCCESSFULLY
Comment:
Attachments included in the COR: No

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: SUM
Discharge: N - SUM OF OUTFALLS 1 & 7
Monitoring Period End Date: 03/31/24
Signing Status: SIGNED SUCCESSFULLY
Comment:
Attachments included in the COR: Yes

WVDP_March_2024_Net_Iron_Calculation.pdf

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: 03/31/24

Signing Status: SIGNED SUCCESSFULLY

Comment:

Attachments included in the COR: No

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ

Permit ID: NY0000973

Permitted Feature: 007

Discharge: W - OUTFALL 007 WET TESTING QUARTERLY

Monitoring Period End Date: 03/31/24

Signing Status: SIGNED SUCCESSFULLY

Comment:

Attachments included in the COR: No

Thank you.

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