

# 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:2024:1028  
December 18, 2024

ATTENTION: Jennifer Dundas

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period November 1 through November 30, 2024

Dear Ms. Splitt

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period November 1 through November 30, 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: 2024.12.17 15:05:11 -05'00'

Jason L. Casper  
President & General Manager

JLC:WNK:mlv

Attachment: A) SPDES DMR for November 1, 2024 through November 30, 2024  
B) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP  
A. V. Carr, CHBWV  
S. A. Cherry, CHBWV  
L. K. Hollfelder, CHBWV  
W. N. Kean, CHBWV  
E. A. Lowes, CHBWV  
D. M. Martinet, CHBWV  
J. K. Mantonie, CHBWV  
J. T. Pillittere, CHBWV (Public Reading Room)  
R. E. Steiner, CHBWV  
K. A. Wooley, CHBWV  
Letter Log (M. Varner), CHBWV  
CHBWV OITS #2330385

**Attachment A**  
**SPDES DMR for November 1 – 30, 2024**

ATTACHMENT A

SPDES DISCHARGE MONITORING REPORT – NOVEMBER 1 THROUGH NOVEMBER 30, 2024  
NET IRON EFFLUENT CONCENTRATION CALCULATION  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\text{OUTFALL 001} = M1 = \frac{(X1 + X2) V1}{2} = 308136.69 \text{ mg/month}$$

$$X1 = 0.063 \text{ mg/L}$$

$$X2 = 0.0454 \text{ mg/L}$$

$$V1 = 5685178.70 \text{ L/month}$$

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

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

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

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

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

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

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

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

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

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

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

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.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - \text{MRW}}{V1 + V7} = 0.054 \text{ mg/L}$$

ATTACHMENT A (Cont'd)

SPDES DISCHARGE MONITORING REPORT - NOVEMBER 1 THROUGH NOVEMBER 30, 2024  
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973

Date: November 6, 2024

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= ((0.193 \text{ MGD})(826 \text{ mg/L}) + (0.000 \text{ MGD})(580 \text{ mg/L}) + (0.403 \text{ MGD})(153 \text{ mg/L})) / (0.596 \text{ MGD}) \\ &= 371 \text{ mg/L} \end{aligned}$$

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Date: November 11, 2024

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= ((0.193 \text{ MGD})(822 \text{ mg/L}) + (0.132 \text{ MGD})(190 \text{ mg/L}) + (0.403 \text{ MGD})(160 \text{ mg/L})) / (0.728 \text{ MGD}) \\ &= 341 \text{ mg/L} \end{aligned}$$

---

- 
- 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).

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

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Permit		Permittee:		Facility:														
Permit #:	NY0000973	U.S. DEPT OF ENERGY		WEST VALLEY DEMONSTRATION PROJ														
Major:	Yes	Permittee Address:		Facility Location:														
		1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585		10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799														
Permitted Feature:		Discharge:																
001 External Outfall		001-M OUTFALL 001 MONTHLY PROC WW, GW, STORM																
Report Dates & Status																		
Monitoring Period:		DMR Due Date:		Status:														
From 11/01/24 to 11/30/24		12/28/24		NetDMR Validated														
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:		Title:		Telephone:														
Bryan		Director-WVDP-DOE		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
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI								= 59,0 Req Mon MO AVG	= 59,0 Req Mon DAILY MX	19 - mg/L 19 - mg/L	0	01/BA - Once Per Batch 01/BA - Once Per Batch	24 - COMP24 24 - COMP24
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI								= 4,98 Req Mon MO AVG	= 5,0 22,0 DAILY MX	19 - mg/L 19 - mg/L	0	02/BA - Twice Per Batch 02/BA - Twice Per Batch	CA - CALCTD CA - CALCTD
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					= 7,9 >= 3,0 MINIMUM			= 8,8 Req Mon MAXIMUM	19 - mg/L 19 - mg/L	0	02/BA - Twice Per Batch 02/BA - Twice Per Batch	GR - GRAB GR - GRAB	
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							= 1,2 Req Mon MO AVG	= 1,2 10,0 DAILY MX	19 - mg/L 19 - mg/L	0	02/BA - Twice Per Batch 02/BA - Twice Per Batch	24 - COMP24 24 - COMP24	
00400	pH	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI					= 7,9 >= 6,5 MINIMUM			= 7,9 8,5 MAXIMUM	12 - SU 12 - SU	0	01/BA - Once Per Batch 01/BA - Once Per Batch	GR - GRAB GR - GRAB	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							< 4,0 30,0 MO AVG	< 4,0 45,0 DAILY MX	19 - mg/L 19 - mg/L	0	02/BA - Twice Per Batch 02/BA - Twice Per Batch	24 - COMP24 24 - COMP24	
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							< 0,1 Req Mon MO AVG	< 0,1 0,3 DAILY MX	25 - mL/L 25 - mL/L	0	02/BA - Twice Per Batch 02/BA - Twice Per Batch	GR - GRAB GR - GRAB	
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							< 1,5 Req Mon MO AVG	< 1,5 15,0 DAILY MX	19 - mg/L 19 - mg/L	0	01/BA - Once Per Batch 01/BA - Once Per Batch	GR - GRAB GR - GRAB	
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI							< 0,02 Req Mon MO AVG	< 0,02 0,1 DAILY MX	19 - mg/L 19 - mg/L	0	01/BA - Once Per Batch 01/BA - Once Per Batch	24 - COMP24 24 - COMP24	
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample Permit Req.							= 0,022 Req Mon MO AVG	= 0,022 Req Mon DAILY MX	19 - mg/L 19 - mg/L	0	01/BA - Once Per Batch 01/BA - Once Per Batch	24 - COMP24 24 - COMP24	



Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2024-12-17 11:07 (Time Zone: -05:00)

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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Permit

Permit #:  
Major:

NY0000973  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

WEST VALLEY DEMONSTRATION PROJ  
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 11/01/24 to 11/30/24

DMR Due Date:

12/28/24

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Bryan  
Bower

Title:

Director-WWDP-DOE

Telephone:

716-942-4368

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	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										<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
					Permit Req.																
					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											Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB
					Permit Req.																
					Value NODI											C - No Discharge		C - No Discharge			
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample											Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.																
					Value NODI											C - No Discharge		C - No Discharge			
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample											Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L	01/30 - Monthly	GR - GRAB
					Permit Req.																
					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: 2024-12-16 11:55 (Time Zone: -05:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbwv.com  
Date/Time: 2024-12-17 11:07 (Time Zone: -05:00)

DMR Copy of Record

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WASHINGTON, DC 20585

Facility:  
Facility Location:

WEST VALLEY DEMONSTRATION PROJ  
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 11/01/24 to 11/30/24

DMR Due Date:

12/28/24

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

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Last Name:

Bryan  
Bower

Title:

Director-WWDP-DOE

Telephone:

716-942-4368

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	Units			
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:

2024-12-16 11:55 (Time Zone: -05:00)

Report Last Signed By

User:

ELIZABETH.LOWES@CHBWV.COM

Name:

Elizabeth Lowes

E-Mail:

elizabeth.lowes@chbwv.com

Date/Time:

2024-12-17 11:07 (Time Zone: -05:00)

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NY0000973  
Yes

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Permittee Address:

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

Facility:  
Facility Location:

WEST VALLEY DEMONSTRATION PROJ  
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 11/01/24 to 11/30/24

DMR Due Date:

12/28/24

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:  
Last Name:

Bryan  
Bower

Title:

Director-WVDP-DOE

Telephone:

716-942-4368

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	Units			
70295	Solids, total dissolved	Z - Instream Monitoring	0	--	Sample								=	356.0	=	371.0	19 - mg/L	0	02/DS - Twice Per Discharge	CA - CALCTD
					Permit Req.									Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD
					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) Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. 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 CHBWW Environmental Services is 0.02 mg/L.

Attachments

Name	Type	Size
WVDP_November_2024_TDS_Calculation.pdf	pdf	349232.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Name:

William Kean

E-Mail:

william.kean@chbww.com

Date/Time:

2024-12-16 11:55 (Time Zone: -05:00)

Report Last Signed By

User:

ELIZABETH.LOWES@CHBWW.COM

Name:

Elizabeth Loves

E-Mail:

elizabeth.lowes@chbww.com

Date/Time:

2024-12-17 11:07 (Time Zone: -05:00)

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.

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:

NY0000973  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

WEST VALLEY DEMONSTRATION PROJ  
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 05/01/24 to 05/31/24

DMR Due Date:

06/28/24

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Bryan C.  
Bower

Title:

Director, USDOE-WWDP

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							<	0.095	<	0.095	19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Permit Req.								Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					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 WWDP DMR's are as follows: 1) Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. 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 CHBWV Environmental Services is 0.02 mg/L.

Attachments

Name	Type	Size
WWDP_May_2024_Net_Iron_Calculation.pdf	pdf	321242.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2024-12-17 09:05 (Time Zone: -05:00)

Report Last Signed By

User:

ELIZABETH.LOWES@CHBWV.COM

Name:

Elizabeth Loves

E-Mail:

elizabeth.lowes@chbwv.com

Date/Time:

2024-12-17 11:07 (Time Zone: -05:00)

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.

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:

NY0000973  
Yes

Permittee:  
Permittee Address:

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

Facility:  
Facility Location:

WEST VALLEY DEMONSTRATION PROJ  
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 11/01/24 to 11/30/24

DMR Due Date:

12/28/24

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Bryan  
Bower

Title:

Director-WWDP-DOE

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							=	0.054	=	0.054	19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Permit Req.								Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					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 WWDP DMR's are as follows: 1) Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. 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 CHBWV Environmental Services is 0.02 mg/L.

Attachments

Name	Type	Size
WWDP_November_2024_Net_Iron_Calculation.pdf	pdf	326193.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2024-12-16 11:55 (Time Zone: -05:00)

Report Last Signed By

User:

ELIZABETH.LOWES@CHBWV.COM

Name:

Elizabeth Loves

E-Mail:

elizabeth.lowes@chbwv.com

Date/Time:

2024-12-17 11:07 (Time Zone: -05:00)

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

**From:** [netdmr-notification@epa.gov](mailto:netdmr-notification@epa.gov)  
**To:** [R9.NetDMR@dec.ny.gov](mailto:R9.NetDMR@dec.ny.gov); [William Kean](#); [Michael Pendl](#); [Joshua Desmarais](#); [Jennifer Dundas](#); [Jamie Prowse](#); [Elizabeth Lowes](#); [rwring@cattco.org](mailto:rwring@cattco.org); [William Frederick](#); [Matia Varner](#); [Robert Steiner](#); [Anna Carr](#)  
**Subject:** NetDMR DMR(s) Submittal Passed for: NY0000973  
**Date:** Tuesday, December 17, 2024 12:30:57 PM

---

Reminder from the CHBWV IT Department:

This e-mail came from an external source. Do not open attachments or click on links from unknown senders, or in unexpected e-mail messages regardless of the source. Our network security is dependent upon your good judgment. If in doubt, ask before you click.

The following signed 6 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: \_67397c1c-79d0-41ec-a1d6-82d172e0aab2  
User ID: ELIZABETH.LOWES@CHBWV.COM  
Timestamp: 12/17/2024 11:07:27

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: SUM  
Discharge: N - SUM OF OUTFALLS 1 & 7  
Monitoring Period End Date: 05/31/24

-----  
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: 11/30/24

-----  
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: 11/30/24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 01B  
Discharge: M - MERCURY PRETREATMENT  
Monitoring Period End Date: 11/30/24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 116  
Discharge: M - PSEUDO MON. POINT @FRANKS CRK  
Monitoring Period End Date: 11/30/24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: SUM  
Discharge: N - SUM OF OUTFALLS 1 & 7  
Monitoring Period End Date: 11/30/24

Thank you.

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