

# 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:2024:0461  
June 11, 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 May 1 through May 31, 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 May 1 through May 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: 2024.06.11 13:34:30  
-04'00'

Jason L. Casper  
President & General Manager

JLC:WNK:mlv

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

cc: B. C. Bower, DOE-WVDP  
A. V. Carr, CHBWV  
S. A. Cherry, CHBWV  
C. Chun, CHBWV  
L. K. Hollfelder, CHBWV  
W. N. Kean, CHBWV  
E. A. Lowes, CHBWV  
D. M. Martinet, CHBWV  
J. K. Mantione, CHBWV  
J. T. Pillittere, CHBWV (Public Reading Room)  
R. E. Steiner, CHBWV  
K. A. Wooley, CHBWV  
Letter Log (M. Varner), CHBWV  
CHBWV OITS #2330379

**Attachment A**  
**SPDES DMR for May 1 – 31, 2024**

ATTACHMENT A

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

$$\begin{aligned} \text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 726279.22 \text{ mg/month} \\ X1 &= <0.0827 \text{ mg/L} \\ X2 &= 0.108 \text{ mg/L} \\ V1 &= 7616981.88 \text{ L/month} \end{aligned}$$

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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.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - MRW}{V1 + V7} = <0.095 \text{ mg/L}$$

ATTACHMENT A (Cont'd)

SPDES DISCHARGE MONITORING REPORT - MAY 1 THROUGH MAY 31, 2024  
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973

Date: May 1, 2024

$$\begin{aligned} C4 &= ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4 \\ &= ((0.224 \text{ MGD}) (821 \text{ mg/L}) + (0.299 \text{ MGD}) (242 \text{ mg/L}) + (0.403 \text{ MGD}) (103 \text{ mg/L})) / (0.925 \text{ MGD}) \\ &= 321 \text{ mg/L} \end{aligned}$$

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Date: May 8, 2024

$$\begin{aligned} C4 &= ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4 \\ &= ((0.224 \text{ MGD}) (787 \text{ mg/L}) + (0.109 \text{ MGD}) (174 \text{ mg/L}) + (0.403 \text{ MGD}) (129 \text{ mg/L})) / (0.736 \text{ MGD}) \\ &= 336 \text{ mg/L} \end{aligned}$$

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- 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).

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

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.

<b>Permit</b>		<b>Permittee:</b> U.S. DEPT OF ENERGY		<b>Facility:</b> WEST VALLEY DEMONSTRATION PROJ	
<b>Permit #:</b> NY0000973	<b>Major:</b> Yes	<b>Permittee Address:</b> 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	<b>Facility Location:</b> 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799		
<b>Permitted Feature:</b> 001 External Outfall	<b>Discharge:</b> 001-M OUTFALL 001 MONTHLY PROC WW, GW, STORM				

<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b> From 05/01/24 to 05/31/24	<b>DMR Due Date:</b> 06/28/24	<b>Status:</b> NetDMR Validated			

**Considerations for Form Completion**

<b>Principal Executive Officer</b>					
<b>First Name:</b> Bryan C.	<b>Title:</b> Director, USDOE-WVDP	<b>Telephone:</b> 716-942-4368			
<b>Last Name:</b> Bower					

<b>No Data Indicator (NODI)</b>					
<b>Form NODI:</b> --					

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
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample						=	47.0	=	47.0	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI														
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample						<	5.21	=	5.31	19 - mg/L	0	02/BA - Twice Per Batch	CA - CALCTD	
					Permit Req.							Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L				
					Value NODI														
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	8.3	=	8.5	19 - mg/L	0	02/BA - Twice Per Batch	GR - GRAB		
					Permit Req.						>=	3.0 MINIMUM		Req Mon MAXIMUM				19 - mg/L	
					Value NODI														
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						<	2.1	=	2.2	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.							Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L				
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.8	=	7.8	12 - SU	0	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.						>=	6.5 MINIMUM		<=				8.5 MAXIMUM	12 - SU
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						<	4.0	<	4.0	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L				
					Value NODI														
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample						<	0.1	<	0.1	25 - mL/L	0	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req.							Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L				
					Value NODI														
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						<	1.6	<	1.6	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Permit Req.							Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L				
					Value NODI														
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample						<	0.02	<	0.02	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.							Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L				
					Value NODI														
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample						<	0.02	<	0.02	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI														

					Value NODI																	
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample									=	0.45	=	0.46	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Value NODI																	
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample									<	0.03	<	0.03	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.										Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Value NODI																	
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample									=	0.00088	=	0.00088	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.										Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Value NODI																	
00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample									<	0.0002	<	0.0002	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																	
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample									<	0.0009	<	0.0009	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG	<=	0.004 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample									<	0.095	=	0.108	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Value NODI																	
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample									<	0.047	<	0.047	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.									<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Value NODI																	
01128	Vanadium, total recoverable	1 - Effluent Gross	0	--	Sample									<	0.00082	<	0.00082	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																	
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample									=	0.025	=	0.034	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.									<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Value NODI																	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.244	=	0.299	03 - MGD									0	02/BA - Twice Per Batch	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										0	02/BA - Twice Per Batch	CN - CONTIN
					Value NODI																	
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									<	0.02	<	0.02	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																	
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample									=	804.0	=	821.0	19 - mg/L	02/BA - Twice Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	GR - GRAB	
					Value NODI																	
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample									=	2.2	=	2.2	3M - ng/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.									<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																	
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	--	Sample									=	0.02	=	0.02	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.										Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					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 CHBWV Environmental Services is 0.02 mg/L.

**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: 2024-06-10 08:39 (Time Zone: -04:00)

*Report Last Signed By*

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbvv.com  
Date/Time: 2024-06-11 10:06 (Time Zone: -04:00)



					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**

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**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: 2024-06-10 08:41 (Time Zone: -04:00)

**Report Last Signed By**

User: ELIZABETH.LOWES@CHBWV.COM  
 Name: Elizabeth Lowes  
 E-Mail: elizabeth.lowes@chbwv.com  
 Date/Time: 2024-06-11 10:06 (Time Zone: -04:00)

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

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 05/01/24 to 05/31/24	<b>DMR Due Date:</b>	06/28/24
<b>Status:</b>	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Bryan C.	<b>Title:</b>	Director, USDOE-WVDP
<b>Last Name:</b>	Bower	<b>Telephone:</b>	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													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: 2024-06-10 08:41 (Time Zone: -04:00)

**Report Last Signed By**

User: ELIZABETH.LOWES@CHBWV.COM  
 Name: Elizabeth Lowes  
 E-Mail: elizabeth.lowes@chbwv.com  
 Date/Time: 2024-06-11 10:06 (Time Zone: -04:00)

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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<b>Permit</b>			
<b>Permit #:</b>	NY0000973	<b>Permittee:</b>	U.S. DEPT OF ENERGY
<b>Major:</b>	Yes	<b>Permittee Address:</b>	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585
<b>Permitted Feature:</b>	116 Internal Outfall	<b>Discharge:</b>	116-M PSEUDO MON. POINT @FRANKS CRK
<b>Facility:</b>		<b>Facility Location:</b>	WEST VALLEY DEMONSTRATION PROJ 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 05/01/24 to 05/31/24	<b>DMR Due Date:</b>	06/28/24
<b>Status:</b>	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.

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Bryan C.	<b>Title:</b>	Director, USDOE-WVDP
<b>Last Name:</b>	Bower	<b>Telephone:</b>	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
70295	Solids, total dissolved	Z - Instream Monitoring	0	--	Sample						=	329.0	=	336.0	19 - mg/L	0	02/DS - Twice Per Discharge	CA - CALCTD
					Permit Req.							Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L			
					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 CHBWV Environmental Services is 0.02 mg/L.

**Attachments**

Name	Type	Size
WVDP_May_2024_TDS_Calculation.pdf	pdf	353517.0

**Report Last Saved By**  
U.S. DEPT OF ENERGY

User:	william.kean@chbvw.com
Name:	William Kean
E-Mail:	william.kean@chbvw.com
Date/Time:	2024-06-10 08:42 (Time Zone: -04:00)

**Report Last Signed By**

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbvw.com
Date/Time:	2024-06-11 10:06 (Time Zone: -04:00)

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<b>Permit</b>			
<b>Permit #:</b>	NY0000973	<b>Permittee:</b>	U.S. DEPT OF ENERGY
<b>Major:</b>	Yes	<b>Permittee Address:</b>	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585
<b>Permitted Feature:</b>	SUM Internal Outfall	<b>Discharge:</b>	SUM-N SUM OF OUTFALLS 1 & 7
<b>Facility:</b>		<b>Facility Location:</b>	WEST VALLEY DEMONSTRATION PROJ 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

<b>Report Dates &amp; Status</b>			
<b>Monitoring Period:</b>	From 05/01/24 to 05/31/24	<b>DMR Due Date:</b>	06/28/24
<b>Status:</b>	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
<b>First Name:</b>	Bryan C.	<b>Title:</b>	Director, USDOE-WVDP
<b>Last Name:</b>	Bower	<b>Telephone:</b>	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			
01045	Iron, total [as Fe]	2 - Effluent Net	0	--	Sample								<	0.095	=	0.108	19 - mg/L	0	01/30 - Monthly	CA - CALCTD		
					Permit Req.																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 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 CHBWV Environmental Services is 0.02 mg/L.

**Attachments**

Name	Type	Size
WVDP_May_2024_Net_Iron_Calcualtion.pdf	pdf	321242.0

**Report Last Saved By**  
U.S. DEPT OF ENERGY

User: william.kean@chbvw.com  
Name: William Kean  
E-Mail: william.kean@chbvw.com  
Date/Time: 2024-06-10 08:43 (Time Zone: -04:00)

**Report Last Signed By**

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbvw.com  
Date/Time: 2024-06-11 10:06 (Time Zone: -04:00)

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<b>Permit</b>																			
Permit #: <b>NY0000973</b>		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: 007 External Outfall		Discharge: <b>007-M</b> SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER																	
<b>Report Dates &amp; Status</b>																			
Monitoring Period: From 05/01/24 to 05/31/24										DMR Due Date: 06/28/24					Status: NetDMR Validated				
<b>Considerations for Form Completion</b>																			
<b>Principal Executive Officer</b>																			
First Name: Bryan C.		Title: Director, USDOE-WVDP										Telephone: 716-942-4368							
Last Name: Bower																			
<b>No Data Indicator (NODI)</b>																			
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														
					Permit Req.														
					Value NODI														
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample														
					Permit Req.					>=		3.0 MINIMUM							
					Value NODI							C - No Discharge							
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample														
					Permit Req.					>=		6.5 MINIMUM							
					Value NODI							C - No Discharge							
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample														
					Permit Req.														
					Value NODI														
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample														
					Permit Req.														

**From:** [netdmr-notification@epa.gov](mailto:netdmr-notification@epa.gov)  
**To:** [Robert Steiner](#); [Matia Varner](#); [William Frederick](#); [rwing@cattco.org](mailto:rwing@cattco.org); [Elizabeth Lowes](#); [Jamie Prowse](#); [Jennifer Dundas](#); [R9.NetDMR@dec.ny.gov](mailto:R9.NetDMR@dec.ny.gov); [William Kean](#); [Bonnie Jeffery](#); [Michael Pendl](#)  
**Subject:** NetDMR DMR(s) Submittal Passed for: NY0000973  
**Date:** Tuesday, June 11, 2024 12:30:51 PM

---

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

CDX Transaction ID: \_f9206d68-4f0e-426c-b471-3057cb746a6f  
User ID: ELIZABETH.LOWES@CHBWV.COM  
Timestamp: 06/11/2024 10:06:59

-----  
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: 05/31/24

-----  
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: 05/31/24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 01B  
Discharge: M - MERCURY PRETREATMENT  
Monitoring Period End Date: 05/31/24

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 116  
Discharge: M - PSEUDO MON. POINT @FRANKS CRK  
Monitoring Period End Date: 05/31/24

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

Thank you.

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