## 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 CASPER (Affiliate)
(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. Mantione, 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

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

X1 = 0.063 mg/L

X2 = 0.0454 mg/L

V1 = 5685178.70 L/month

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

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 = 
$$MRW = \frac{(X1 + X2 + X3 + X4) \ VRW}{4} = 0.00 \ mg/month$$
  
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 = 
$$\frac{M1 + M7 - MRW}{V1 + V7}$$
 = 0.054 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

- C4 = ((Q1)(C1) + (Q2)(C2) + (Q3)(C3))/Q4
  - = ((0.193 MGD)(826 mg/L)+(0.000 MGD)(580 mg/L)+(0.403 MGD)(153 mg/L))/(0.596 MGD)
  - = 371 mg/L

Date: November 11, 2024

- C4 = ((Q1)(C1) + (Q2)(C2) + (Q3)(C3))/Q4
  - = ((0.193 MGD)(822 mg/L)+(0.132 MGD)(190 mg/L)+(0.403 MGD)(160 mg/L))/(0.728 MGD)
  - = 341 mg/L
- 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).

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(I)(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 NY0000973 U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit # Permittee: Major: Yes Permittee Address: 1000 INDEPENDENCE AVE SW Facility Location: 10282 ROCK SPRINGS ROAD WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 **Permitted Feature** Discharge: External Outfall OUTFALL 001 MONTHLY PROC WW, GW, STORM Report Dates & Status From 11/01/24 to 11/30/24 DMR Due Date: 12/28/24 Status: NetDMR Validated Monitoring Period: Considerations for Form Completion Principal Executive Officer Title: Director-WVDP-DOE 716-942-4368 First Name: Bryan Telephone: Last Name: Bower No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Quantity or Loading **Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 2 Qualifier 1 Units Qualifier 1 Value 2 01/BA - Once Per Batch 24 - COMP24 Sample 59.0 59.0 19 - mg/L Permit Req Reg Mon MO AVG Req Mon DAILY MX 19 - mg/L 0 01/BA - Once Per Batch 24 - COMP24 00154 Sulfate [as S] 1 - Effluent Gross Value NODI 4 98 19 - mg/L 02/BA - Twice Per Batch CA - CALCTD Sample Req Mon MO AVG <= 19 - mg/L 0 Permit Req. 22.0 DAILY MX 02/BA - Twice Per Batch CA - CALCTD 00181 Oxygen demand, ultimate 1 - Effluent Gross Value NODI Sample 7.9 8.8 19 - ma/L 02/BA - Twice Per Batch GR - GRAB 3.0 MINIMUM Req Mon MAXIMUM 19 - mg/L 02/BA - Twice Per Batch GR - GRAB Permit Req 00300 Oxygen, dissolved [DO] 1 - Effluent Gross Value NODI Sample 12 19 - mg/L 02/BA - Twice Per Batch 24 - COMP24 Permit Reg Req Mon MO AVG <= 10.0 DAILY MX 19 - mg/L 0 02/BA - Twice Per Batch 24 - COMP24 1 - Effluent Gross 00310 BOD, 5-day, 20 deg. C Value NODI Sample 7.9 12 - SU 01/BA - Once Per Batch GR - GRAB 6.5 MINIMUM 8.5 MAXIMUM 12 - SU 01/BA - Once Per Batch GR - GRAB Permit Rea. 00400 pH 1 - Effluent Gross Value NODI 02/BA - Twice Per Batch 24 - COMP24 Sample 19 - mg/L 30.0 MO AVG 45.0 DAILY MX 19 - mg/L 0 02/BA - Twice Per Batch 24 - COMP24 Permit Reg. 00530 Solids, total suspended 1 - Effluent Gross Value NODI Sample 0.1 25 - mL/L 02/BA - Twice Per Batch GR - GRAB Rea Mon MO AVG <= 0.3 DAILY MX 02/BA - Twice Per Batch GR - GRAB Permit Rea. 25 - mL/L 00545 Solids settleable 1 - Effluent Gross Value NODI 01/BA - Once Per Batch GR - GRAB Sample 1.5 1.5 19 - ma/L Permit Rea Rea Mon MO AVG <= 15.0 DAILY MX 19 - mg/L 0 01/BA - Once Per Batch GR - GRAB 00556 Oil & Grease 1 - Effluent Gross 0 Value NODI Sample 19 - mg/L 01/BA - Once Per Batch 24 - COMP24 0.02 Permit Rea Rea Mon MO AVG <= 0.1 DAILY MX 19 - mg/L 0 01/BA - Once Per Batch 24 - COMP24 00615 Nitrogen, nitrite total [as N] 1 - Effluent Gross Value NODI Sample 0.022 0.022 19 - mg/L 01/BA - Once Per Batch 24 - COMP24 Req Mon DAILY MX 19 - mg/L Permit Rea Req Mon MO AVG 01/BA - Once Per Batch 24 - COMP24 00620 Nitrogen, nitrate total [as N] 1 - Effluent Gross 0

itrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Sample				-	0.71	= 0	0.74	40			
itrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0							U./ I			19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
				Permit Req.					Req Mon MO AVG		Req Mon DA <b>I</b> LY MX	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
		-		Value NODI											
				Sample				<	0.03	< (		19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
ulfide, dissolved, [as S]	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	<= (	0.4 DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
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rsenic, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	<= (	0.15 DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
				Value NODI											
				Sample				<	0,0006	< (	0.0006	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
ohalt total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	<= (	0.005 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
saut, total recoverable	- Engant Groot			Value NODI											
				Sample				<	0.0004	< (	0.0004	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
elenium total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	<= (	0.004 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
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045 Iron, total [as Fe]	1 - Enjuent Gross	U	_						·		·	i i			
								<	0.088	< (	0.088	19 - ma/l	01/BA - Once Per Batch	24 - COMP24	
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105 Aluminum, total [as Al]	1 - Emuent Gross	U										, i			
	1 - Effluent Gross							<							
anadium, total recoverable		0							Red Mon MO AVG	ζ= (	U,U14 DAILT MA	19 - mg/L	UT/BA - Once Per Batch	GR - GRAB	
				Value NODI											
itrogen, ammonia, total [as NH3]	1 - Effluent Gross	0						<=	1,5 MO AVG	<= ;	2.1 DAILY MX		02/BA - Twice Per Batch	24 - COMP24	
				Value NODI											
				Sample =	0.193 =	0.233							02/BA - Twice Per Batch		
low, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD					,	02/BA - Twice Per Batch	CN - CONTIN	
				Value NODI											
				Sample				<	0.02	< (	0.02	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
hlorine, total residual	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	<= (	0.1 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
,				Value NODI											
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olida total diagolyad	1 Effluent Green	0		Permit Req.					Reg Mon MO AVG						
ilus, total dissolved	1 - Lilldellt Gross		_	Value NODI											
									0.8		n 8	3M - ng/l	01/RA - Once Per Potch	GR - GRAB	
1900 Mercury, total [as Hg]	4 500														
ercury, total [as Hg]	1 - Effluent Gross	0	-								,		- 11011 011001 01 00001	511 510.0	
									0.000		2 202	10	04/04 0 0	00.0045	
								-							
Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	-						ixed Moll MO AVG	-	0.04 DAILT WA	10 - HIG/L	O I/DA - Office Fel Batch	GIV - GRAD	
				Value NODI											
elele	ogen, ammonia, total [as NH3]  w, in conduit or thru treatment plant  orine, total residual  ids, total dissolved	enium, total recoverable  1 - Effluent Gross  2 - Effluent Gross  3 - Effluent Gross  4 - Effluent Gross  4 - Effluent Gross  5 - Effluent Gross  6 - Effluent Gross  7 - Effluent Gross  7 - Effluent Gross  8 - Effluent Gross  1 - Effluent Gross	enium, total recoverable  1 - Effluent Gross  0  1 - Effluent Gross  0	enium, total recoverable  1 - Effluent Gross 0 -  1 - Effluent Gross 0 -  minum, total [as Al] 1 - Effluent Gross 0 -  adium, total recoverable 1 - Effluent Gross 0 -  sogen, ammonia, total [as NH3] 1 - Effluent Gross 0 -  w, in conduit or thru treatment plant 1 - Effluent Gross 0 -  orine, total residual 1 - Effluent Gross 0 -  cury, total [as Hg] 1 - Effluent Gross 0 -	palt, total recoverable  1 - Effluent Gross 0	palt, total recoverable  1 - Effluent Gross 0	Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  1 - Effluent Gross 0 Permit Req. Value NODI  2 Permit Req. Value NODI  3 Permit Req. Value NODI  4 Permit Req. Value NODI  5 Permit Req. Value NODI  6 Permit Req. Value NODI  7 Permit Req. Value NODI  8 Permit Req. Value NODI  9 Permit Req. Value N	Permit Req.	Permit Reg.	Permit Req.   Permit Req.	Permit Req.   Permit Req.		Effluent Gross   1	Permit Res.   Permit Res.	

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: 2024-12-16 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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Permit																										
Permit	#:	NY0000973		Permitt	tee:	ı	J.S. DEPT	OF ENERGY				Facility:		WEST VAL	LEY DEMONS	STRATION PROJ										
Major: Yes				Permitt	tee Address:		1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585											0282 ROCK SPRINGS ROAD ÆST VALLEY, NY 14171-9799								
Permitt		007 External Outfall		Discha	rge:		007-M Sanitary, NC Cooling Water, utility wastewater, stormwater																			
Report	Dates & Status																									
Monito	ring Period:	From 11/01/24 to 1	1/30/24	DMR D	ue Date:	1	12/28/24								Status:		NetDMR Va	tDMR Validated								
Consid	lerations for Form Co	mpletion																								
Princip	al Executive Officer																									
First Na	ame:	Bryan		Title:		1	Director-WV	DP-DOE							Telephon	ie:	716-942-43	68								
Last Na	ime:	Bower													,											
No Data	a Indicator (NODI)																									
Form N		-																								
Code	Parameter Nar		Monitoring Location	Season #	Faram. NODI		Qualifier 1	Qua Value 1	antity or Loadii Qualifier 2				Value 1	Qualifier 2	ality or Concentration Value 2	on Qualifier 3	Value 3	# of E	x. Frequency of Analysis	Sample Type						
Code	Nar	iic .				Sample	wanner 1	value i	Qualifier 2	value 2	Units	Qualifier 1	value i	Qualifier 2	value z	Quanner 3	value 3	Office								
00181	Oxygen demand, ultir	nate	1 - Effluent Gross		1 - Effluent Gross	1 - Effluent Gross	1 - Effluent Gross	1 - Effluent Gross	1 - Effluent Gross	0	-	Permit Req.										<=	22.0 DAILY MX	19 <b>-</b> mg/L	01/30 - Monthly	CA - CALCTD
						Value NODI									C - No Discharge		C - No Discharge									
		4 50				Sample Permit Req.						>= :	3.0 MINIMUM				Reg Mon MAXIMUM	19 = ma/l	02/30 - Twice Per Month	GR - GRAB						
00300 Oxygen, dissolved [		oj	1 - Effluent Gross	0	<del></del>	Value NODI							C - No Discharge				C - No Discharge	TO HIGHE	ozroc Twice For Michael	OIT OITE						
						Sample							-				-									
00310	BOD, 5-day, 20 deg. 0	:	1 - Effluent Gross	0	-	Permit Req.									Req Mon MO AVG	<=		19 - mg/L	02/30 - Twice Per Month	24 - COMP24						
						Value NODI									C - No Discharge		C - No Discharge									
			. =			Sample Permit Req.						>= )	6.5 MINIMUM			<=	8.5 MAXIMUM	12 <b>-</b> SU	02/30 - Twice Per Month	GR - GRAB						
00400	рH		1 - Effluent Gross	U	-	Value NODI							C - No Discharge				C - No Discharge			011 01110						
						Sample																				
00530	Solids, total suspend	ed	1 - Effluent Gross	0		Permit Req.								<= ;	30.0 MO AVG	<=	45.0 DAILY MX	19 <b>-</b> mg/L	02/30 - Twice Per Month	24 - COMP24						
						Value NODI									C - No Discharge		C - No Discharge									
00545	0 F 1 / 1 1 1		4 577 10			Sample Permit Req.									Reg Mon MO AVG	<=	0.3 DAILY MX	25 <b>-</b> mL/L	02/30 - Twice Per Month	GR - GRAB						
00545	Solids, settleable		1 - Effluent Gross	0	-	Value NODI									C - No Discharge		C - No Discharge		02.00 1 11100 1 01 11101111	511 51115						
						Sample									9-		.9-									
00556	Oil & Grease		1 - Effluent Gross	0		Permit Req.										<=		19 <b>-</b> mg/L	02/30 - Twice Per Month	GR - GRAB						
						Value NODI									C - No Discharge		C - No Discharge									
00615	Nitrogon nitrito 4-4-1	Inc. NII	1 Effluent Co		_	Sample Permit Req.									Reg Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP24						
00013	Nitrogen, nitrite total	įas IVJ	1 - Effluent Gross	U	_	Value NODI									C - No Discharge		C - No Discharge									
			4 500			Sample Permit Req.									Reg Mon MO AVG		Reg Mon DAILY MX	19 - mg/l	01/30 - Monthly	24 - COMP24						
00625	Nitrogen, Kjeldahl, to	tai [as N]	1 - Effluent Gross	0		Value NODI									C - No Discharge		C - No Discharge	mgra	money	0024						
						Sample									9-											
			1 - Effluent Gross			Permit Req.									Reg Mon MO AVG		Reg Mon DAILY MX	19 - ma/L	02/30 - Twice Per Month	24 - COMP24						

					Value NODI						C - No Discharge		C - No Discharge			
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI					<=	1.49 MO AVG C - No Discharge	<=	2.1 DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI	Req Mon MO AVG C - No Discharge	Req Mon DAILY MX C - No Discharge	03 - MGD							01/30 - Monthly	CN - CONTIN
50060	Chlorine, total residual	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI						Req Mon MO AVG C - No Discharge	<=	0.1 DAILY MX C - No Discharge	19 - mg/L	01/30 - Monthly	GR - GRAB
70295	Solids, total dissolved	1 - Effluent Gross	0	-	Sample Permit Req. Value NODI						Req Mon MO AVG C - No Discharge		Req Mon DAILY MX C - No Discharge	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
71900	Mercury, total [as Hg]	1 - Effluent Gross	0		Sample Permit Req. Value NODI						Req Mon MO AVG C - No Discharge	<=	50.0 DAILY MX C - No Discharge	3M - ng/L	01/30 - Monthly	GR - GRAB

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@chbw.com

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

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Permit NY0000973 U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: Permittee: 10282 ROCK SPRINGS ROAD Major: Yes Permittee Address: 1000 INDEPENDENCE AVE SW Facility Location: WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 Permitted Feature: 01B Discharge: MERCURY PRETREATMENT Internal Outfall Report Dates & Status From 11/01/24 to 11/30/24 DMR Due Date: 12/28/24 Status: NetDMR Validated **Monitoring Period:** Considerations for Form Completion Principal Executive Officer Title: Director-WVDP-DOE 716-942-4368 First Name: Bryan Telephone: Last Name: Bower No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Units Qualifier 1 Value 1 Qualifier 2 Value 1 Sample Permit Req Req Mon MO AVG Reg Mon DAILY MX 07 - gal/d 01/07 - Weekly CN - CONTIN 00056 Flow rate 1 - Effluent Gross 0 Value NODI C - No Discharge C - No Discharge Sample 02/BA - Twice Per Batch Permit Req. Req Mon MO AVG 50.0 DAILY MX 3M - ng/L GR - GRAB 71900 Mercury, total [as Hg] 1 - Effluent Gross 0 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 F-Mail: william.kean@chbwv.com Date/Time: 2024-12-16 11:55 (Time Zone: -05:00) Report Last Signed By ELIZABETH.LOWES@CHBWV.COM User: Elizabeth Lowes Name: 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

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Facility:

Status:

Telephone:

Facility Location:

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD

WEST VALLEY, NY 14171-9799

NetDMR Validated

716-942-4368

Permit a
Permit a
Major:

Permitted Feature:

Permit #: NY0000973

Yes

116

Internal Outfall

Permittee: U.S. DEPT OF ENERGY
Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

Discharge: 116-

PSEUDO MON, POINT @FRANKS CRK

Report Dates & Status

Monitoring Period: From 11/01/24 to 11/30/24 DMR Due Date: 12/28/24

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 Title: Director-WVDP-DOE

Last Name: Bower

No Data Indicator (NODI)

orm NODI: -

FORIII INC	JUI:																			
	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading				Quality or Concentration								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			
		Z - Instream Monitoring			Sample								=	356.0	=	371.0	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD
70295	Solids, total dissolved		0		Permit Req.									Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L	0	02/DS - Twice Per Discharge	CA - CALCTD
		_ measurements	•		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 Laboratoris Program (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\_November\_2024\_TDS\_Calculation.pdf pdf 349232.0

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com

 Name:
 William
 Kean

 E-Mail:
 william.kean@c

 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)

Form Approved OMB No. 2040-0004 expires on 07/31/2026 **DMR Copy of Record** 

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Iron, total [as Fe]

2 - Effluent Net

Ω

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.

Value NODI

elizabeth.lowes@chbwv.com

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

Edit Check Errors

No errors.

01045

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

E-Mail:

Date/Time:

Name Size WVDP\_May\_2024\_Net\_Iron\_Calcualtion.pdf pdf 321242.0 Report Last Saved By U.S. DEPT OF ENERGY User: william.kean@chbwv.com William Kean Name: E-Mail: william.kean@chbwv.com Date/Time: 2024-12-17 09:05 (Time Zone: -05:00) Report Last Signed By ELIZABETH.LOWES@CHBWV.COM User: Name: Elizabeth Lowes

Form Approved OMB No. 2040-0004 expires on 07/31/2026 **DMR Copy of Record** 

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Iron, total [as Fe]

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Value NODI

Edit Check Errors

No errors.

01045

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Attachments

Туре Size WVDP\_November\_2024\_Net\_Iron\_Calculation.pdf 326193.0 pdf

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com

2 - Effluent Net

Ω

William Kean Name: E-Mail:

william.kean@chbwv.com Date/Time: 2024-12-16 11:55 (Time Zone: -05:00)

Report Last Signed By

ELIZABETH.LOWES@CHBWV.COM User:

Name: Elizabeth Lowes

E-Mail: elizabeth.lowes@chbwv.com

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

# Attachment B Email Confirmation from NYSDEC

From: <a href="mailto:netdmr-notification@epa.gov">netdmr-notification@epa.gov</a>

To: R9,NetDMR@dec,ny.gov; William Kean; Michael Pendl; Joshua Desmarais; Jennifer Dundas; Jamie Prowse;

Elizabeth Lowes; 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.