CH2MHILL • BWXT West Valley, LLC

Ms Jennifer Splitt Contracting Officer

West Valley Demonstration Project

1	, Contracting Officer	AC-PRES
U.S. Department o 550 Main St., Room	6.	WD:2025:0041 January 16, 2025
Cincinnati, OH 452	202	•
ATTENTION: Jer	nnifer Dundas	
SUBJECT:	Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Disc System (SPDES) Discharge Monitoring Report (DMR) for the Period De	cember 1 through
	December 31, 2024, SPDES Permit No. NY-0000973, West Valley Demo (WVDP) and Storm Water Monitoring Results for July 1, 2024, through I	5
REFERENCES :	1) Letter WR:2011:0061, John D. Rendall to C. S. Haugh, "State Pollutar Elimination System (SPDES) Schedule of Compliance Action for the Wa	e
	Chemicals, SPDES Permit No. NY-0000793, West Valley Demonstration dated December 20, 2011	
	2) Latter W.P. 2012:0022 John Pendell to Mark Joskson "Netification of	Changes to the West

2) Letter WR:2013:0033, John Rendall to Mark Jackson, "Notification of Changes to the West Valley Demonstration Project (WVDP) Wastewater Generation Activities in Accordance with 6 NYCRR 750-2.6(c); State Pollutant Discharge Elimination System (SPDES) Permit No. NY-0000973, U.S. Department of Energy (DOE), West Valley Demonstration Project (WVDP)," dated August 13, 2013

AC_PRES

Dear Ms. Splitt:

This letter is submitted for Contracting Officer Representative's approval of the SPDES DMR for the reporting period December 1 through December 31, 2024, including the Net Iron calculation sheet, which 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).

Also attached are the results of the storm water monitoring for the period of July 1, 2024, through December 31, 2024, and the Annual Review Certification of the Storm Water Pollution Prevention Plan/Best Management Practices (SWPPP/BMP).

If you have any questions, please contact William Kean at (716) 942-4865 or Elizabeth Lowes at (716) 481-0429.

Sincerely,

Jason L. Casper President and General Manager

JLC:WNK:mlv

Attachments:

- A) SPDES DMR for December 1 through December 31, 2024, Monitoring Period
- B) Storm Water Discharge Monitoring Results for July 1 through December 31, 2024, Monitoring Period
 - C) CHBWV Environmental Certification
 - D) WVDP SPDES Permit "Special Conditions Industry Best Management Practices," Permittee Certification of the Annual Review
 - E) Email Confirmation from NYSDEC

cc: Wet@dec.ny.gov

B. C. Bower, DOE-WVDP

- J. T. DesMarais, DOE-WVDP
- W. T. Frederick, DOE-WVDP
- S. A. Cherry, CHBWV B. D. Gertz, CHBWV
- L. K. Hollfelder, CHBWV
- W. N. Kean, CHBWV
- E. A. Lowes, CHBWV

J. K. Mantione, CHBWV

D. M. Martinet, CHBWV

J. T. Pillittere, CHBWV (Public Reading Room)

R. E. Steiner, CHBWV

Letter Log (M. Varner), CHBWV

Records, CHBWV

CHBWV OITS #2230374

Attachment A

SPDES DMR for December 1 – 31, 2024

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period December 1 through December 31, 2024, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for July 1, 2024, through December 31, 2024

The SPDES DMR for December 1 through December 31, 2024, Monitoring Period is provided as Attachment A. There were no discharges at outfalls 001-M, 007-M, 116-M, Sum-N or internal outfall 01B-M during the monitoring period of December 1, 2024, through December 31, 2024. Please also note that there were no discharges at outfall 007-V or 007-W during the 2024 calendar year as denoted on the specific Discharge Monitoring Reports (DMRs). Finally, we are also submitting the DMR for outfall 001-W for the reporting period of October 1, 2024, through December 31, 2024.

CHBWV is also submitting the analytical results and data for the semi-annual storm water monitoring period of July 1, 2024, through December 31, 2024, as Attachment B. All storm water sampling results were within applicable limits specified on page 14 of 31 of the SPDES permit for oil & grease.

Storm water samples were collected on August 6, October 14, October 29, November 6, and November 26, 2024. The on-site pH measured near the site's rain gauge on each of these dates was: 5.3 SU; 6.5 SU; 4.6 SU; 7.2 SU; and 7.0 SU, respectively.

Storm water sampling at outfalls S04 and S34 was completed on August 6, 2024, although the duration between storm events of 57 hours was less than the normally required 72 hours. Outfalls S04 and S34 had base flow upon arrival and the start of sampling.

Storm water sampling at outfalls S14 and S35 was completed on October 14, 2024, although the duration between storm events of 7 hours was less than the normally required 72 hours. Outfall S14 and S35 had flow upon arrival and the start of sampling.

Storm water sampling at outfalls S12 and S39 was completed on November 26, 2024, although the duration between storm events of 50 hours was less than the normally required 72 hours. S12 was slightly above base flow conditions and S39 had a very slight flow upon arrival and the start of sampling.

In addition, outfall S43 was sampled for semi-annual lead that was completed on November 26, 2024, at the Live Fire Range. The reported result for lead of 0.0011 mg/L (first flush) was below the action level of 0.006 mg/L.

Please note that, in accordance with the Schedule of Compliance sampling requirements contained on page 23 of 31 of the SPDES permit for Paraquat Dichloride Herbicide (Gramoxone Extra), the site used herbicides on June 10, 11, and 12 and September 16 and 17, 2024, and therefore storm water outfalls that could be affected were sampled for Paraquat Dichloride on July 11, 2024, September 23 and 24, 2024, during the second semi-annual monitoring period.

OUTFALL	PARAMETER	RESULT	UNITS
S04	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S06	Paraquat Dichloride	0.00022 / 0.0029	mg/L
S33	Paraquat Dichloride	< 0.00021 / < 0.00013	mg/L
S09	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S12	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S34	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S17	Paraquat Dichloride	< 0.00021 / < 0.00013	mg/L
S28	Paraquat Dichloride	< 0.00016 / < 0.00013	mg/L
S37	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S20	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L
S27	Paraquat Dichloride	< 0.00021 / < 0.00013	mg/L
S35	Paraquat Dichloride	< 0.00013 / < 0.00013	mg/L

Page 2

As required on page 30 of 31 under General Requirements, J.3. Water Treatment Chemicals (WTCs), the WVDP has not used any water treatment chemicals during 2024 and therefore we have not included a WTC Annual Report Form for 2024.

In accordance with the Special Conditions – Industry Best Management Practices (2) Compliance Deadlines, the WVDP has completed the annual review of the BMP which is included as part of the site document "Clean Water Act/State Pollutant Discharge Elimination System Best Management Practices and Storm Water Pollution Prevention Plan for the West Valley Demonstration Project" (WVDP-206). As part of the annual review process, it was determined that a revision was not required at this time.

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

OUTFALL 001	=	M1 = (X1 + X2) V1 2	=	0.00 mg/month
X1	=	0.000 mg/L		
X2	=	0.000 mg/L		
V1	=	0.000 L/month		

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

OUTFALL 007		=	M7 = (X1 + X2) V7 = 0.00 mg/month
	X1	=	0.000 mg/L
	X2	=	0.000 mg/L
	V7	=	0.00 L/month
*Note: There	e was	no dis	charge at outfall 007 during this monitoring period.

RAW WATER	=	MRW =	$\frac{(X1 + X2 + X3 + X4) VRW}{4} = 0.00 mg/month$
	X1	=	0.000 mg/L
	X2	=	0.000 mg/L
	XЗ	=	0.000 mg/L
	X4	=	0.000 mg/L
	VRW	=	0.00 L/month

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

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 <u>NPDES eReporting Help Desk</u> 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																	
Permit #	ŧ:	NY0000973			Permittee:			U.S.	DEPT OF	ENERG	Y				Facility:		١
Major:		Yes			Permittee A	ddress:) INDEPEN SHINGTON			SW			Facility Location	on:	, N
Permitte	ed Feature:	001 External Outfall			Discharge:			001- OUT	A FALL 001	ANNUAI	L						
Report	Dates & Status				1												
	ing Period:	From 01/01/24 to	12/31/24		DMR Due D	ate:		01/2	8/25						Status:		1
Conside	erations for Form Completi	on													1		
Principa	al Executive Officer																
First Na	me:	Bryan			Title:			Dire	ctor-WVDP	-DOE					Telephone:		-
Last Na	me:	Bower															
No Data	Indicator (NODI)				•												
Form No	ODI:																
	Parameter		Monitoring Location	Season #	Param. NODI				ity or Loadin	-					Quality or Cond		
Code	Name					Comula	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1			Value 2	Qualifier 3	
01113	Cadmium, total recoverable		1 - Effluent Gross	0		Sample Permit Req.							<		0.00007 Req Mon MO AVG	<	0.00007 0.002 DA
01113	Cadmun, total recoverable		I - Ellident Gloss	0		Value NODI										_	
						Sample							<		0.0005	<	0.0005
34488	Trichlorofluoromethane		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.01 DAIL
						Value NODI											
						Sample							<		0.0004	<	0.0004
34631	3,3'-Dichlorobenzidine		1 - Effluent Gross	0		Permit Req.							<	=	0.005 MO AVG	<=	0.01 DAIL
						Value NODI											
						Sample Permit Req.							<		0.0003 Req Mon MO AVG	< <=	0.0003 0.01 DAIL
34668	Dichlorodifluoromethane		1 - Effluent Gross	0		Value NODI										~=	0.01 DAIL
						Sample							<		0.007	<	0.007
39337	.alphaBHC		1 - Effluent Gross	0		Permit Req.									0.01 MO AVG		Req Mon
				Ũ		Value NODI											
						Sample							<		0.05	<	0.05
39700	Hexachlorobenzene		1 - Effluent Gross	0		Permit Req.							<	=	0.2 MO AVG		Req Mon
						Value NODI											
						Sample							<		0.0006	<	0.0006
77819	Tri-n-butyl phosphate		1 - Effluent Gross	0		Permit Req. Value NODI									Req Mon MO AVG	<=	0.1 DAILY
															0.005		0.005
79247	Chromium hovovolont tot r	aavarahla	1 Effluent Cross	0		Sample Permit Reg.							<		0.005 Req Mon MO AVG	< <=	0.005 0.011 DA
78247	Chromium, hexavalent tot ro	ecoverable	1 - Effluent Gross	0		Value NODI											
						Sample							<	:	0.002	<	0.002
78356	2-Butanone		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.5 DAILY
						Value NODI											
						Sample							<		0.001	<	0.011
81551	Xylene [mix of m+o+p]		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.05 DAIL

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

NetDMR Validated

716-942-4368

		# of Ex.	Frequency of Analysis	Sample Type
Value 3	Units			
	19 - mg/L		01/YR - Annual	24 - 24 Hour Composite
AILY MX	19 - mg/L	0	01/YR - Annual	24 - 24 Hour Composite
		Ű		
	19 - mg/L		01/YR - Annual	GR - Grab
ILY MX	19 - mg/L		01/YR - Annual	GR - Grab
	19 - mg/L	0	01/TK - Annual	GR - Glab
	19 - mg/L		01/YR - Annual	GR - Grab
ILY MX	19 - mg/L	0	01/YR - Annual	GR - Grab
		U		
	19 - mg/L		01/YR - Annual	GR - Grab
ILY MX	19 - mg/L		01/YR - Annual	GR - Grab
		0		
	28 - ug/L		01/YR - Annual	GR - Grab
n DAILY MX	28 - ug/L	0	01/YR - Annual	GR - Grab
	28 - ug/L		01/YR - Annual	GR - Grab
n DAILY MX	28 - ug/L	0	01/YR - Annual	GR - Grab
		U		
	19 - mg/L		01/YR - Annual	GR - Grab
YMX	19 - mg/L		01/YR - Annual	GR - Grab
	15 mg/L	0		
	19 - mg/L		01/YR - Annual	GR - Grab
AILY MX	19 - mg/L	0	01/YR - Annual	GR - Grab
	19 - mg/L		01/YR - Annual	GR - Grab
Y MX	19 - mg/L	0	01/YR - Annual	GR - Grab
	19 - mg/L		01/YR - Annual	GR - Grab
ILY MX	19 - mg/L		01/YR - Annual	GR - Grab
	.o mg/L	0		

Value NODI									
			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:	2025-01-16 07:32 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-01-16 07:51 (Time Zone: -05:00)

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Permit																
Permit	#:	NY0000973			Permitte	ee:		U.S. DEPT	OF ENERG	iΥ					Facility:	
Major:		Yes			Permitte	ee Addres	s:	1000 INDEF WASHINGT							Facility Locatio	n:
Permitt	ed Feature:	001 External Outfal	II		Dischar	ge:		001-M OUTFALL 0	01 MONTH	LY PROC WW	/, GW, ST	ORM				
Report	Dates & Status															
Monito	ring Period:	From 12/01/24	to 12/31/24		DMR Du	le Date:		01/28/25							Status:	
Consid	lerations for Form Comp	oletion														
Princip	al Executive Officer															
First Na	ame:	Bryan			Title:			Director-WV	DP-DOE						Telephone:	
Last Na	ame:	Bower														
No Dat	a Indicator (NODI)															
Form N																
	Parameter		Monitoring Location	Season # I	Param. NODI			Quan	tity or Loadir	ıg				Qı	ality or Concentration	on
Code	Name						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifie
00454						Sample Permit Req.									Req Mon MO AVG	
00154	Sulfate [as S]		1 - Effluent Gross	0		Value NODI									C - No Discharge	
						Sample										
00181	Oxygen demand, ultimate	_	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
00101	oxygen demand, unimad	-	1 - Enident Oloss	0		Value NODI									C - No Discharge	
						Sample										
00300	Oxygen, dissolved [DO]		1 - Effluent Gross	0		Permit Req.						>=	3.0 MINIMUM			
						Value NODI							C - No Discharge			
						Sample										
00310	BOD, 5-day, 20 deg. C		1 - Effluent Gross	0		Permit Req.									•	<=
						Value NODI									C - No Discharge	
						Sample Permit Req.						>=	6.5 MINIMUM			<=
00400	рН		1 - Effluent Gross	0		Value NODI						>=	C - No Discharge			<=
													0 - No Discharge			
00530	Solids, total suspended		1 - Effluent Gross	0		Sample Permit Req.								<=	30.0 MO AVG	<=
00550	Solius, total suspended		r - Enideni Gioss	0		Value NODI									C - No Discharge	
						Sample									Ŭ	
00545	Solids, settleable		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
						Value NODI									C - No Discharge	
						Sample										
00556	Oil & Grease		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
						Value NODI									C - No Discharge	
						Sample										
00615	Nitrogen, nitrite total [as	N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
						Value NODI									C - No Discharge	
						Sample Permit Req.									Req Mon MO AVG	
00620	Nitrogen, nitrate total [as	N]	1 - Effluent Gross	0											,	

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

NetDMR Validated

716-942-4368

ier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
	Req Mon DAILY MX C - No Discharge	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
	22.0 DAILY MX C - No Discharge	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
	Req Mon MAXIMUM C - No Discharge	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
	10.0 DAILY MX C - No Discharge	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
	8.5 MAXIMUM C - No Discharge	12 - SU		01/BA - Once Per Batch	GR - Grab
	45.0 DAILY MX C - No Discharge	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
	0.3 DAILY MX C - No Discharge	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
	15.0 DAILY MX C - No Discharge	19 - mg/L		01/BA - Once Per Batch	GR - Grab
	0.1 DAILY MX C - No Discharge	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
	Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite

				Value NODI				C - No Discharge		C - No Discharge		
				Sample								
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	 Permit Req.				Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch 24 - 24 Hour Composite
				Value NODI				C - No Discharge		C - No Discharge		
				Sample								
00746	Sulfide, 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 - 24 Hour Composite
				Value NODI				C - No Discharge		C - No Discharge		
				Sample								
00978	Arsenic, 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 - 24 Hour Composite
				Value NODI				C - No Discharge		C - No Discharge		
				Sample							1.0 //	
00979	Cobalt, total recoverable	1 - Effluent Gross	0	 Permit Req.				Req Mon MO AVG	<=		19 - mg/L	01/BA - Once Per Batch GR - Grab
				Value NODI				C - No Discharge		C - No Discharge		
				Sample Bormit Bog				Reg Mon MO AVG		0.004 DAILY MX	19 - mg/L	01/BA - Once Per Batch GR - Grab
00981	Selenium, total recoverable	1 - Effluent Gross	0	 Permit Req.					<=		19 - mg/L	01/BA - Once Per Batch GR - Grab
				Value NODI				C - No Discharge		C - No Discharge		
				Sample Permit Reg.				Reg Mon MO AVG		Reg Mon DAILY MX	10. mg/l	02/BA - Twice Per Batch 24 - 24 Hour Composite
01045	Iron, total [as Fe]	1 - Effluent Gross	0					·			19 - mg/L	02/BA - Twice Per Batch 24 - 24 Hour Composite
				Value NODI				C - No Discharge		C - No Discharge		
				Sample Permit Reg.			<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L	01/BA - Once Per Batch 24 - 24 Hour Composite
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	 Value NODI			~-	C - No Discharge	~-	C - No Discharge	19 - Hig/L	
								C - NO Discharge		C - NO Discharge		
01400			0	Sample Permit Reg.				Reg Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L	01/BA - Once Per Batch GR - Grab
01128	Vanadium, total recoverable	1 - Effluent Gross	0	 Value NODI				C - No Discharge		C - No Discharge	<u> </u>	
				Sample				e ne zieenaige		e ne Diccharge		
34726	Nitrogen emmenie tetel [ee NH2]	1 - Effluent Gross	0	Permit Reg.			<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/BA - Twice Per Batch 24 - 24 Hour Composite
34720	Nitrogen, ammonia, total [as NH3]	1 - Enident Gloss	0	 Value NODI				C - No Discharge		C - No Discharge		
				Sample								
50050	Flow, 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 - Continuous
00000	new, in conduct of the decident plant		0	Value NODI	C - No Discharge	C - No Discharge						
				Sample								
50060	Chlorine, 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				C - No Discharge		C - No Discharge		
				Sample								
70295	Solids, total dissolved	1 - Effluent Gross	0	 Permit Req.				Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch GR - Grab
				Value NODI				C - No Discharge		C - No Discharge		
				Sample								
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.			<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L	01/BA - Once Per Batch GR - Grab
				Value NODI				C - No Discharge		C - No Discharge		
				Sample							10	
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	 Permit Req.				Req Mon MO AVG	<=		19 - mg/L	01/BA - Once 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.

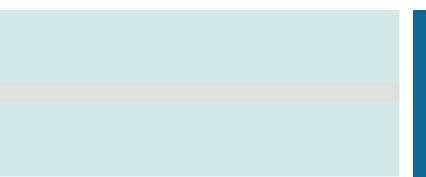
Comments

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
WVDP_2024_Permittee_Certificate_of_Annual_Review.pdf	
WVDP_December_2024_Synopsis.pdf	
WVDP_July_2024_December_2024_Storm_Water_Data.pdf	
Report Last Saved By	
U.S. DEPT OF ENERGY	

Туре	Size
pdf	274554.0
pdf	72441.0
pdf	133679.0

william.kean@chbwv.com	
William Kean	
william.kean@chbwv.com	
2025-01-16 07:32 (Time Zone: -05:00)	
d By	
ELIZABETH.LOWES@CHBWV.COM	
Elizabeth Lowes	
elizabeth.lowes@chbwv.com	
2025-01-16 07:51 (Time Zone: -05:00)	
	William Kean william.kean@chbwv.com 2025-01-16 07:32 (Time Zone: -05:00) d By ELIZABETH.LOWES@CHBWV.COM Elizabeth Lowes elizabeth.lowes@chbwv.com



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Permit																	
Permit #	:	NY0000973			Permittee:		U.S. [DEPT OF E	NERGY			Facility:		١			
Major:		Yes			Permittee Ad	ldress:		INDEPEND HINGTON,	-	-		Facility Locatio	n:	\			
Permitte	d Feature:	001 External Outfall			Discharge:			001-S Outf	ALL 001 S	EMI-AN	NUAL						
Report L	Dates & Status																
Monitori	ng Period:	From 07/01/24 to 1	2/31/24		DMR Due Da	te:		01/28	/25				Status:				
Conside	rations for Form Completi	on													'		
Principa	I Executive Officer																
First Na	me:	Bryan			Title:			Direct	or-WVDP-I	DOE					Telephone:		-
Last Nar	ne:	Bower															
No Data	Indicator (NODI)																
Form NC																	
	Parameter		Monitoring Location	Season #	Param. NODI			Quant	ity or Loadin	g					Quality or Conc	entration	
Code	Name						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1			Qualifier 3	
00700				0		Sample Permit Req.								<	0.005 Req Mon MO AVG	< <=	0.005 0.005 DA
00722	Cyanide, free [amenable to	chlorination	1 - Effluent Gross	0		Value NODI											
						Sample								=	0.025	=	0.025
01055	Manganese, total [as Mn]		1 - Effluent Gross			Permit Req.									Req Mon MO AVG	<=	2.0 DAIL
						Value NODI											
						Sample								<	0.0034	<	0.0034
01067	Nickel, total [as Ni]		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.079 DA
						Value NODI											
						Sample Barmit Bag								<	0.0039 Req Mon MO AVG	<	0.0039 0.13 DAI
01094	Zinc, total recoverable		1 - Effluent Gross	0		Permit Req. Value NODI									Req Mon MO AVG	<=	0.13 DAI
															0.0000		0.0000
						Sample Permit Req.								<	0.0002 Req Mon MO AVG	< <=	0.0002 0.006 DA
01114	Lead, total recoverable		1 - Effluent Gross	0		Value NODI											
						Sample								<	0.0012	<	0.0012
01118	Chromium, total recoverable	a	1 - Effluent Gross	0		Permit Req.								-	Req Mon MO AVG	<=	0.11 DAI
01110		-		Ū		Value NODI											
						Sample								<	0.00073	<	0.00073
01119	Copper, total recoverable		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.014 DA
						Value NODI											
						Sample								<	0.006	<	0.006
39410	Heptachlor		1 - Effluent Gross	0		Permit Req.								<=	0.01 MO AVG		Req Mor
						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.

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

NetDMR Validated

716-942-4368

		# of Ex.	Frequency of Analysis	Sample Type
Value 3	Units			
	19 - mg/L		02/YR - Twice Per Year	GR - Grab
AILY MX	19 - mg/L	0	02/YR - Twice Per Year	GR - Grab
		U		
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
LY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
AILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
	15 mg/L	0		
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
ALY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
		U		
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
AILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
ALY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
		0		
	1.0 //			
3	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
AILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
	28 - ug/L		02/YR - Twice Per Year	GR - Grab
n DAILY MX	28 - ug/L	0	02/YR - Twice Per Year	GR - Grab
	0	0		

Comments

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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:	2025-01-16 07:32 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-01-16 07:51 (Time Zone: -05:00)

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Permit																				
Permit #:		NY000097	73		Permittee:	Permittee:			NERGY					Facil	ity:		WEST VAL		MONSTRATION PROJ	
Major: Yes			Permittee A	Address:		1000 INDEPEND WASHINGTON, I	-	E SW				Facil	ity Locatio	n:	10282 ROO WEST VAL	NGS ROAD 14171-9799				
Permitted Feature: 001 External Outfall				Discharge:	Discharge:			CTION LE	VELS ANN	IUAL										
Report Da	ates & Status																			
Monitorin	ig Period:	From 01/0	01/24 to 12/31/24		DMR Due D	Date:		01/28/25						Statu	is:		NetDMR Va	alidated		
Consider	ations for Form Complet	tion												·						
SEE PER	MIT FOR REPORTING RI	EQUIREM	ENTS																	
Principal	Executive Officer																			
First Name: Bryan			Title:			Director-WVDP-D	DOE					Telep	ohone:		716-942-4368					
Last Nam	e:	Bower												1 -						
No Data I	ndicator (NODI)																			
Form NO																				
	Parameter		Monitoring Location	Season #	Param. NODI			Quantity or Loading			Q			ality or Co	ncentration			# of Ex.	Frequency of Analysis	Sample Type
Code	Name						Qualifier 1	Value 1 Qualifi	ier 2 Valu	e 2 Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3		Units			
						Sample									=	0.04	19 - mg/L		01/YR - Annual	24 - 24 Hour Composite
01007	Barium, total [as Ba]	V	- See Comments	0		Permit Req.									<=	0.5 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - 24 Hour Composite
						Value NODI														
						Sample									<	0.0078	19 - mg/L		01/YR - Annual	24 - 24 Hour Composite
01097	Antimony, total [as Sb]	V	- See Comments	0		Permit Req.									<=	1.0 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - 24 Hour Composite
01097 Antimony, total [as Sb]				Ŭ		Value NODI												Ũ		
						Sample									<	0.0005	19 - mg/L		01/YR - Annual	GR - Grab
22106	Chloroform	V	Soo Commonte	0		Permit Req.									<=	0.3 DAILY MX	19 - mg/L		01/YR - Annual	GR - Grab
32106 Chloroform		v	V - See Comments			Value NODI												0		

Submission Note

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Edit Check Errors

No errors.

Comments

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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:	2025-01-16 07:33 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes

E-Mail: Date/Time: elizabeth.lowes@chbwv.com 2025-01-16 07:51 (Time Zone: -05:00)

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Permit																
Permit #:		NY0000973		Permittee:		U.:	S. DEPT		Facility:							
Major:		Yes		Permittee A	ddress:		00 INDEF ASHINGT		Facility Location:							
Permitted	Feature:	001 External Outfall		Discharge:			1-V JTFALL (
Report Da	ntes & Status															
Monitorin	g Period:	From 07/01/24 to 12/31/24		DMR Due D	ate:	01	/28/25								Status:	
Considerations for Form Completion																
SEE PERM	MIT FOR REPORTING	REQUIREMENTS														
Principal	Executive Officer															
First Name: Bryan			Title:		Dir	rector-W\	/DP-DOE							Telephone:		
Last Name	ast Name: Bower												I			
No Data li	ndicator (NODI)			l												
Form NO																
	Parameter	Monitoring Location	Season #	Param. NODI			Quant	ity or Loading				Quality or Concentration				
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3
					Sample										=	0.057
01022	Boron, total [as B]	V - See Comments	0		Permit Req.										<=	2.0 DAILY MX
					Value NODI											
					Sample										<	0.0011
01152	Titanium, total [as Ti]	V - See Comments	0		Permit Req.										<=	0.65 DAILY MX
	, - -				Value NODI											
					Sample										<	0.37
71870	Bromide [as Br]	V - See Comments	0		Permit Req.										<=	5.0 DAILY MX
					Value NODI											

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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:	2025-01-16 07:33 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes

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

NetDMR Validated

716-942-4368

		# of Ex.	Frequency of Analysis	Sample Type
	Units			
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
		0		
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
(19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
		U		
	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
	19 - mg/L	0	02/YR - Twice Per Year	24 - 24 Hour Composite
		Ū		

E-Mail: Date/Time: elizabeth.lowes@chbwv.com 2025-01-16 07:51 (Time Zone: -05:00)

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	Permit																_	
Permit Vesters 01 Discharge VASHINGTON, DC 20585 OH <	Permit	#:	NY0000973	Pe	Permittee:				U.S. DEPT OF ENERGY									
External Outfail Outfail OUTFAIL 001 WET TESTING QUARTERLY Report tates & Status Monitoring Period Fom 10/01/24 to 12/31/24 DMR Due Date: 02/28/25 Status: Consider-report to monopoly to monop	Major:		Yes	Pe	ermittee	Address:						SW					Facility Location:	
				Di	ischarge	:				1 WET T	ESTIN	g quaf	RTERLY					
Considerations for Form Complexies Security Complexies <td>Report</td> <td>Dates & Status</td> <td></td>	Report	Dates & Status																
Securice Office Functional Action of the provided o	Monito	ring Period:	From 10/01/24 to 12/31/24	DI	MR Due I	Date:		02/28/	25								Status:	
Principal Security Office Security	Consid	erations for Form Comple	etion															
First Variability Brigh Intervent on the provided on the provide	SEE PE	RMIT FOOTNOTES FOR	WET TESTING REQUIREMENT	S														
Last Number loss Bower Second and any and any and any	Princip	al Executive Officer																
Sample and control (NOD)	First Na	ame:	Bryan	Ti	tle:			Directo	or-WVD	P-DOE							Telephone:	
Form Notice Parameter Monitoring Location Season # Parametor Quantity or Locating Quantity or Locating </td <td>Last Na</td> <td>ame:</td> <td>Bower</td> <td></td> <td>·</td> <td></td>	Last Na	ame:	Bower														·	
Parameter Monitoring Location Season # Param. Vol Cualifier 1 Value 1 Qualifier 2 Value 2 Units Value 1 Qualifier 2 Value 2 Val	No Data	a Indicator (NODI)																
Code Name	Form N	IODI:																
61425 Toxicity [acute], Ceriodaphnia dubia V - See Comments 0 Ample Image: Comments Image: Comments Permit Req. Image: Comments Image: Comments<		Parame	eter	Monitoring Location	Season #	Param. NODI					-							
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Code		Name					Qualifier 1 V	alue 1 Q	ualifier 2	alue 2 U	nits Qual	ifier 1 Valu	ue 1 Qualifier				alue 3
$ \frac{1}{1} + 1$	61405	Taviaity [acuta] Cariadanh	uio dubio	V. Soc Commonto	0													
61426 Permit Req. Image: Ceriodaphnia dubia Image: Ceriodaphnia Image	01425	Toxicity [acute], Ceriodaph	nia dubia	v - See Comments	0		Value NODI											
61420 Toxicity [chronic], Ceriodaphnia dubia V - See Comments 0 Value NODI Image: Comments of the comment of the commen							· · · ·											
A relation A relation <td>61426</td> <td>Toxicity [chronic], Cerioda</td> <td>phnia dubia</td> <td>V - See Comments</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><=</td> <td></td> <td>1.0 MAXIMUM</td> <td></td>	61426	Toxicity [chronic], Cerioda	phnia dubia	V - See Comments	0										<=		1.0 MAXIMUM	
61427 Description Description Description Permit Req. Condition Condition </td <td></td>																		
61427 Toxicity [actual], Pimephales prometas [Fathead Minnow] V - See Comments 0 Value NODI Image: Comments 0 9 - Conditional Monitoring - Not Reference 61428 Toxicity [chronic], Pimephales prometas [Fathead Minnow] V - See Comments 0 Sample Image: Comments 0 Permit Req. Image: Comments 0															<=			
61428 Toxicity [chronic], Pimephales promelas [Fathead Minnow] V - See Comments 0 Sample Comments	61427	Toxicity [acute], Pimephale	s promelas [Fathead Minnow]	V - See Comments	0													n - Not Re
61428 Toxicity [chronic], Pimephales promelas [Fathead Minnow] V - See Comments 0 Permit Req Permit Req Permit Req 1.0 MAXIMUM																_		g
	61428	Toxicity [chronic] Pimenha	ales prometas [Fathead Minnow]	V - See Comments	0		· · · ·								<=		1.0 MAXIMUM	
	61428 I oxicity [chronic], Pimepha				0		Value NODI										9 - Conditional Monitoring	g - Not Re

Submission Note

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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	Туре	Size
WVDP_November_2024_WET_Final_Report.pdf		pdf	2301990.0
Report Last Saved By			
U.S. DEPT OF ENERGY			
User:	william.kean@chbwv.com		
Name:	William Kean		
E-Mail:	william.kean@chbwv.com		

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

NetDMR Validated

716-942-4368

		# of Ex.	Frequency of Analysis	Sample Type
	Units			
	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
	2F - tox acute	0	01/90 - Quarterly	24 - 24 Hour Composite
		Ū		
	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
	2G - tox chronic	0	01/90 - Quarterly	24 - 24 Hour Composite
		0		
	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
equired This Period				
	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
equired This Period				

Date/Time:	2025-01-16 07:33 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-01-16 07:51 (Time Zone: -05:00)

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Permit																	
Permit	#:	NY0000973		Permi	ittee:		U.S. DEP	T OF ENERGY							Fa	acility:	
Major:		Yes		Permi	ittee Addres	SS:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585										
Permit	ted Feature:	007 External Outfall		Disch	arge:		007-M Sanitar	007-M SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER									
Report	Dates & Status																
	ring Period:	From 12/01/24 to ²	12/31/24	DMR	Due Date:		01/28/25								S	atus:	
	lerations for Form C																
Princip	al Executive Officer																
First N		Bryan		Title:			Director-V	VVDP-DOE							Т	elephone	
Last Na	ame:	Bower													1		
No Dat	a Indicator (NODI)																
Form N																	
	Parameter	•	Monitoring Location	Season #	Param. NODI			Qua	ntity or Loadi	ng				Qua	ality or Concentra	tion	
Code	Nai	me					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifie	
00181	Oxygon domand ulti	imata	1 - Effluent Gross	0		Sample Permit Req.								F	Req Mon MO AVG	<=	
00101	Oxygen demand, ulti	imate	1 - Ellident Gloss	0		Value NODI									C - No Discharge		
						Sample											
00300	Oxygen, dissolved [I	00]	1 - Effluent Gross	0		Permit Req.						>=	3.0 MINIMUM				
						Value NODI							C - No Discharge				
						Sample											
00310	BOD, 5-day, 20 deg.	С	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	
						Value NODI									C - No Discharge	e	
00400						Sample Permit Req.						>=	6.5 MINIMUM			<=	
00400	рН		1 - Effluent Gross	0		Value NODI							C - No Discharge				
						Sample											
00530	Solids, total suspend	ded	1 - Effluent Gross	0		Permit Req.								<= 3	30.0 MO AVG	<=	
	,					Value NODI									C - No Discharge	e	
						Sample											
00545	Solids, settleable		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		
						Value NODI									C - No Discharge	e	
						Sample Permit Req.									Req Mon MO AVG	<=	
00556	Oil & Grease		1 - Effluent Gross	0		Value NODI									C - No Discharge		
						Sample										.	
00615	Nitrogen, nitrite total	las Ni	1 - Effluent Gross	0		Permit Req.								F	Req Mon MO AVG	<=	
				-		Value NODI									C - No Discharge	e	
						Sample											
00625	Nitrogen, Kjeldahl, to	otal [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		
						Value NODI									C - No Discharge	e	
						Sample Permit Req.									Req Mon MO AVG		
01045	Iron, total [as Fe]		1 - Effluent Gross	0		r ernnt rteq.								ľ			

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

NetDMR Validated

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716-942-4368

			# of Ex.	Frequency of Analysis	Sample Type
er 3	Value 3	Units			
	22.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - Calculated
	C - No Discharge				
		10 //			
	Req Mon MAXIMUM	19 - mg/L		02/30 - Twice Per Month	GR - Grab
	C - No Discharge				
	10.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite
	C - No Discharge				
	8.5 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - Grab
	C - No Discharge				
	45.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite
	C - No Discharge				
		05 1.4			
	0.3 DAILY MX	25 - mL/L		02/30 - Twice Per Month	GR - Grab
	C - No Discharge				
	15.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - Grab
	C - No Discharge				
	0.1 DAILY MX	19 - mg/L		01/30 - Monthly	24 - 24 Hour Composite
	C - No Discharge				
	Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	24 - 24 Hour Composite
	C - No Discharge				
	Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite

				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 - 24 Hour Composite
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 03 - MGD C - No Discharge						01/30 - Monthly	CN - Continuous
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:	2025-01-16 07:33 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-01-16 07:51 (Time Zone: -05:00)

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Permit																				
Permit #:	NY0000973			Permittee:			U.S. DEPT		GY				Fa	cility:		WEST	VALLEY DE	MONSTR	ATION PROJ	
Major:	Yes			Permittee Ad	dress:		1000 INDEF WASHINGT			SW			Fa	cility Locatio	n:		ROCK SPRI VALLEY, NY			
Permitted Feature:	007 External Outfall			Discharge:			007-V OUTFALL 0	07 ANNU	AL MOI	NITORING										
Report Dates & Status																				
Monitoring Period:	From 01/01/24 to ?	12/31/24		DMR Due Dat	te:		01/28/25						Sta	itus:		NetDM	R Validated			
Considerations for Form Con	mpletion																			
Principal Executive Officer																				
First Name:	Bryan			Title:			Director-WV	DP-DOE					Tel	ephone:		716-94	2-4368			
Last Name:	Bower												·							
No Data Indicator (NODI)																				
Form NODI:																				
Parameter	Monitoring Location	Season #	Param. NODI				ity or Loading							r Concentratior				# of Ex.	Frequency of Analysis	Sample Type
Code Name				Osmula	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Val	ue 3	Units			
224.00 O hlensfamm	1 Effluent Crees	0		Sample Permit Req.										<=	0.2 DAILY MX		19 - mg/L	_	01/YR - Annual	GR - Grab
32106 Chloroform	1 - Effluent Gross	0		Value NODI											C - No Disch			-		
																- 5-				

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:	2025-01-16 07:33 (Time Zone: -05:00)	
Report Last Signed By		
User:	ELIZABETH.LOWES@CHBWV.COM	
Name:	Elizabeth Lowes	
E-Mail:	elizabeth.lowes@chbwv.com	
Date/Time:	2025-01-16 07:51 (Time Zone: -05:00)	

User:

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Permit																				
Permit	#:	NY0000973		Permittee:			U.S. DEP	T OF ENEF	RGY					F	Facility:					
Major:		Yes		Permittee A	ddress:			EPENDENO GTON, DC 2		SW				F	Facility Location:					
Permit	ed Feature:	007 External Outfall		Discharge: 007-W OUTFALL 007 WET TESTING QUARTERLY																
Report	Dates & Status			1																
	ring Period:	From 10/01/24 to 12/31/24		DMR Due D	ate:		02/28/25							s	tatus:					
	lerations for Form Comp		ļ																	
SEE PE	ERMIT FOOTNOTES FOR	WET TESTING REQUIREMENTS																		
	al Executive Officer																			
First N		Bryan		Title:			Director-V	VVDP-DOE						т	elepho	ne:				
Last Na	ame:	Bower																		
No Dat	a Indicator (NODI)			1																
Form N																				
		Parameter	Monito	oring Location	Season #	Param. NODI			Quantity	/ or Loadin	g				Quality	y or Conce	entration			
Code		Name						Qualifier 1	Value 1	Qualifier 2	Value 2 Un	its Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier	3 Va			
04.405			\/_ Q = =	0	0		Sample Permit Req.									<=	0.3 MAXIM			
61425	Toxicity [acute], Cerioda	phnia dubia	v - See	Comments	0		Value NODI										C - No Di			
							Sample													
61426	Toxicity [chronic], Cerioo	daphnia dubia	V - See	Comments	0		Permit Req.									<=	1.0 MAXIM			
							Value NODI										C - No Di			
							Sample													
61427	Toxicity [acute], Pimepha	ales promelas [Fathead Minnow]	V - See	Comments	0		Permit Req.									<=	0.3 MAXIM			
							Value NODI										C - No Di			
							Sample									-	1.0 MAXIM			
61428	Toxicity [chronic], Pimep	hales promelas [Fathead Minnow]	V - See	Comments	0		Permit Req. Value NODI									<=	C - No Di			
							value NODI										C - NO DI			
	ssion Note																			
		in any values for the Sample nor Ef	luent Trading	, then none of	the follow	ving fields will	l be submitte	ed for that r	ow: Unit	s, Numbe	r of Excurs	sions, Frequ	ency of /	Analysis, a	nd Sam	iple Type	Э.			
	neck Errors																			
No erro																				
Comm	ents																			
Attach																				
No attach	Last Saved By																			
	EPT OF ENERGY																			
User:		W	illiam.kean@c	hbwy com																
Name:			/illiam Kean																	
E-Mail:			illiam.kean@c																	
Date/Ti	me:	025-01-16 07		ne: -05:00	2)															
	Last Signed By			(_		,														

ELIZABETH.LOWES@CHBWV.COM

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

NetDMR Validated

716-942-4368

alue 3	Units	# of Ex.	Frequency of Analysis	Sample Type
	onno			
MUM	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
Discharge				
MUM Discharge	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
MUM Discharge	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
MUM Discharge	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite

Name: E-Mail: Date/Time: Elizabeth Lowes elizabeth.lowes@chbwv.com 2025-01-16 07:51 (Time Zone: -05:00)

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Permit																			
Permit #	÷	NY0000973			Pe	ermittee:		U.S.	DEPT OF ENERGY			Fa	acility:		WEST VALLEY DE	MONSTRA	ATION P	PROJ	
Major:		Yes			Pe	ermittee Add	Iress:		INDEPENDENCE A HINGTON, DC 2058			Fa	acility Location:		10282 ROCK SPR WEST VALLEY, N				
Permitte	d Feature:	01B Internal Outfall			Di	ischarge:		01B- MER	M CURY PRETREATM	IENT									
Report I	Dates & Status																		
Monitori	ng Period:	From 12/01/24 to	12/31/24		DI	MR Due Date	e:	01/28	8/25			St	atus:		NetDMR Validated	ł			
Conside	erations for Form Complet	tion			·							•							
Principa	I Executive Officer																		
First Na	me:	Bryan			Ti	tle:		Direc	tor-WVDP-DOE			Те	elephone:		716-942-4368				
Last Na	ne:	Bower																	
No Data	Indicator (NODI)																		
Form NO																			
	Parameter	Monitoring Location	Season #	Param. NODI			Qua	antity or Load	ling				Quality or Co	ncentration			# 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	3 Value 3	Units			
00050					Sample Permit Req.	R	eq Mon MO AVG		Req Mon DAILY MX	07 - gal/d								01/07 - Weekly	CN - Continuous
00056	Flow rate	1 - Effluent Gross	0		Value NODI		C - No Discharge		C - No Discharge	or gava								on or wooldy	
					Sample				e ne bischarge										
71900	Mercury, total [as Hg]	1 - Effluent Gross	0		Permit Req.								Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		02/BA - Twice Per Batch	GR - Grab
11500	mercury, total [as rig]	- Elindent Oloss	U		Value NODI								C - No Discharge		C - No Discharge				
Submiss	sion Note																		
	meter row does not contain	any values for the Sa	ample nor	Effluent Tradi	na. then nor	ne of the follo	wing fields will be s	submitted fo	or that row: Units. Nu	mber of E	xcursions. I	Frequency of Ana	lvsis, and Sample T	Type.					
	eck Errors	,			3,		9						, , , , , , , , , , , , , , , , , , , ,	<i></i>					
No error																			
Comme																			
Attachm	ents																		
No attachm																			
Report I	ast Saved By																		
U.S. DE	PT OF ENERGY																		
User:				william.kean	@chbwv.cor	m													
Name:				William Ke	an														
E-Mail:				william.kean	@chbwv.cor	m													
Date/Tim	ie:			2025-01-16	07:34 (Tim	ne Zone: -05:(00)												
	ast Signed By						,												
User:				ELIZABETH.	LOWES@C	HBWV.COM	l												
Name:				Elizabeth L															
E-Mail:				elizabeth.low		.com													
Date/Tim	ie:			2025-01-16			00)												
							,												

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Permit																			
Permit #:		NY0000973		Permit	ttee:		U.S. DEPT	OF ENERG	θY				Faci	ility:	WEST	VALLEY DE	MONSTR	ATION PROJ	
Major:		Yes			ttee Address	:	1000 INDE							ility Location:					
							WASHING									۲ VALLEY, N			
Permitte	d Feature:	116 Internal Outfall		Discha	arge:		116-M PSEUDO N	ION. POIN	Γ@FRAN⊮	KS CRK									
Report D	ates & Status			•															
Monitori	ng Period:	From 12/01/24 to 12/31/24		DMR D	Due Date:		01/28/25						Stat	us:	NetD	MR Validated	I		
Conside	rations for Form Comple	tion																	
IF PSUE	DO MONITORING POINT	REPORT IS NOT REQUIRE	D DURING TH	IE MONITORII	NG PERIOD,	EITHER CHEC	K THENO DIS	CHARGE	BOX OR E	NTER 'N	ODI A'I	N PLACE (OF A MEASURE	MENT TO INDIC	CATE A GENERAL F	PERMIT EXE	MPTION.		
Principa	I Executive Officer																		
First Nan	ne:	Bryan		Title:			Director-W	/DP-DOE					Tele	ephone:	716-9-	42-4368			
Last Nan	ne:	Bower																	
No Data	Indicator (NODI)																		
Form NO	DI:																		
	Parameter	Monitoring Location	Season #	Param. NODI			Quantity or Load	0						Concentration			# of Ex.	Frequency of Analysis	Sample Type
Code	Name				Sample	Qualifier 1 Va	lue 1 Qualifier	2 Value 2	Units Qua	alifier 1 V	alue 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
70295	Solids, total dissolved	Z - Instream Monitoring	0		Permit Req.								Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - Calculated
10200			Ū		Value NODI								C - No Discharge	•	C - No Discharge				
Submiss	tion Note												1						
If a paran	neter row does not contain	any values for the Sample n	or Effluent Tra	ding, then non	e of the follow	ving fields will b	e submitted fo	r that row: I	Jnits, Num	ber of Ex	cursior	ns, Frequer	ncy of Analysis, ar	nd Sample Type					
Edit Che	ck Errors																		
No errors																			
Commen	nts																		
Attachm	ents																		
No attachme																			
Report L	ast Saved By																		
	PT OF ENERGY																		
User:			william.kea	in@chbwv.com	n														
Name:			William K	Kean															
E-Mail:			william.kea	in@chbwv.com	n														
Date/Time	e:		2025-01-16	6 07:34 (Time	e Zone: -05:0	0)													
Report L	ast Signed By																		
User:				H.LOWES@C	HBWV.COM														
Name:			Elizabeth																
E-Mail:				owes@chbwv.o															
Date/Time	e:		2025-01-16	6 07:51 (Time	e Zone: -05:0	0)													

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

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 <u>NPDES eReporting Help Desk</u> 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																				
Permit #	e.	NY0000973			Permitte	e:		U.S. E	EPT OF E	NERGY			Fa	acility:		WEST VA	LLEY DEMON	STRATIO	N PROJ	
Major:		Yes			Permitte	e Address:			NDEPENE IINGTON,	DENCE AVE DC 20585	SW		Fa	acility Locat	ion:		OCK SPRINGS LLEY, NY 1417			
Permitte	ed Feature:	SUM Internal Outfall			Discharg	ge:		SUM-	N DF OUTFA	LLS 1 & 7										
Report I	Dates & Status																			
Monitor	ing Period:	From 12/01/24 to 12	2/31/24		DMR Du	e Date:		01/28/	25				St	atus:		NetDMR	Validated			
Conside	erations for Form Comple	etion											•							
Principa	I Executive Officer																			
First Na	me:	Bryan			Title:			Direct	or-WVDP-I	DOE			Те	elephone:		716-942-4	368			
Last Na	me:	Bower											•							
No Data	Indicator (NODI)																			
Form NO	DDI:																			
Code	Parameter	Monitoring Location	Season #	Param. NODI		Qualifiand		ty or Loading	alua 0 Unit	o Ouelifier	4 Value 4	Qualifian 2		lity or Concent		Value 2	Unite	# of Ex.	Frequency of Analysis	Sample Type
Code	Name				Sample	Qualifier 1	value 1	Qualifier 2 Va	alue 2 Unit	s Qualifier	1 Value 1	Qualifier 2	vait	ue 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	2 - Effluent Net	0		Permit Req.								Req Mon MO	AVG	<=	1.0 DAILY MX	19 - mg/L	-	01/30 - Monthly	CA - Calculated
					Value NODI								C - No Discl	harge		C - No Discharge				
Submis	sion Note																			
If a para	meter row does not contai	n any values for the Sam	nple nor Eff	fluent Trading, th	nen none of th	e following f	ields will b	e submitted for	that row:	Units, Numb	per of Excu	rsions, Freq	uency of Ana	lysis, and Sa	ample Type	э.				
Edit Che	eck Errors																			
No error	S.																			
Comme	nts																			
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WVDP_C	ecember_2024_Net_Iron_C	alculation.pdf														pdf			63759.0	
Report l	Last Saved By																			
U.S. DE	PT OF ENERGY																			
User:			wi	rilliam.kean@chb	wv.com															
Name:			W	/illiam Kean																
E-Mail:			wi	illiam.kean@chb	wv.com															
Date/Tim	ne:		20	025-01-16 07:34	4 (Time Zone	e: -05:00)														
Report I	Last Signed By																			
User:			EI	LIZABETH.LOW	ES@CHBWV	COM.														
Name:			EI	lizabeth Lowes	3															
E-Mail:				lizabeth.lowes@																
Date/Tim	ne:		20	025-01-16 07:51	1 (Time Zone	e: -05:00)														

Attachment B

Storm Water Discharge Monitoring Results for July 1 through December 31, 2024 Monitoring Period

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 1, OUTFALL S04 Monitoring Period: July 1 through December 31, 2024

Parameter Group	Parameter	Results in mg/	L	Permit No. NY-0000973 Compliance Limit
Gloup	1 arameter	First Flush	Flow-weighted	
		Grab	Composite	
Group A	pН	7.9 S.U.	N.R.	Not Specified in Permit.
Parameters	Oil and Grease	< 1.6	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	13	7.2	N.R. = Not Required.
	Total Dissolved Solids (TDS)	730	430	
	Phosphorus, Total	0.044	0.031	
Group B	Aluminum	0.60	0.59	
Parameters	Iron	1.1	0.80	
	Copper, Total Recoverable (TR)	0.016	0.0028	
	Lead (TR)	0.0030	0.0011	
	Zinc (TR)	0.0081	0.0095	1
Group C	Total Nitrogen (as N)	< 0.65	0.70	1
Parameters	TKN	0.61	0.27	1
	Nitrate Nitrogen (as N)	< 0.020	0.41	
	Nitrite Nitrogen (as N)	< 0.020	0.020	
	Ammonia Nitrogen (as NH3)	0.020	0.022	
	Cadmium, TR	< 0.000079	< 0.000079	
	Chromium, TR	< 0.0012	0.0013	
	Hexavalent Chromium, TR	< 0.0050	< 0.0050	1
	Selenium, TR	< 0.00044	< 0.00044	
	Vanadium, TR	< 0.0019	< 0.0019	-
	Surfactant (as LAS)	N.R.	N.R.	-
	Alpha BHC	N.R.	N.R.	-
	Settleable Solids	N.R.	N.R.	-
	Sulfide	N.R.	N.R.	-
	Paraquat Dichloride	<pre>< 0.00013 < 0.00013</pre>	N.R.	-
Flow	Total Flow, gallons	N.R.	260,000	
1 10 11	Maximum Flow rate, gallons	2,400	N.R.	1
	per minute	2,700	11.12.	
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	08/06/24	08/06/24	
Event and	Duration of storm event, in	N.R.	1,160	Rain started at 0030 EST on
Monitoring Summary	minutes	11.12.	1,100	8/06/24 and ended at 1950 EST on 8/06/24.
5	Date and Time of sample	08/06/24	08/06/24	
	collection	1140	1425	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling	N.R.	0.16	An additional 0.08 inches
	event, in inches			was recorded after sampling
				was completed for a storm total of 0.24 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	57	0.21 inches was recorded on 8/03/24 at 1520 EST. The outfall was at base flow conditions upon arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 2, OUTFALL S33 Monitoring Period: July 1 through December 31, 2024

Parameter Group	Parameter	Results in mg/l	L	Permit No. NY-0000973 Compliance Limit
Gloup		First Flush Grab	Flow-weighted Composite	
Group A	pН	7.2 S.U.	N.R.	Not Specified in Permit.
Parameters	Oil and Grease	< 1.5	N.R.	15 mg/L
	BOD-5	3.7	5.2	Not specified in permit.
	Total Suspended Solids (TSS)	55	56	N.R. = Not Required.
	Total Dissolved Solids (TDS)	440	400	1
	Phosphorus, Total	0.21	0.26	-
Group B	Aluminum	1.3	1.2	-
Parameters	Iron	6.0	6.6	-
i urumeters	Copper, Total Recoverable (TR)	0.0018	0.0020	-
	Lead (TR)	0.0023	0.0022	
	Zinc (TR)	0.013	0.019	1
Group C	Total Nitrogen (as N)	N.R.	N.R.	1
Parameters	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	1
	Chromium, TR	N.R.	N.R.	1
	Hexavalent Chromium, TR	N.R.	N.R.	1
	Selenium, TR	N.R.	N.R.	-
	Vanadium, TR	N.R.	N.R.	-
	Surfactant (as LAS)	< 0.013	< 0.013	4
	Alpha BHC	N.R.	N.R.	4
	Settleable Solids	N.R.	N.R.	4
	Sulfide	N.R.	N.R.	-
	Paraquat Dichloride	< 0.00021 /	N.R.	-
	T draquat Diemonde	< 0.00013	11.10.	
Flow	Total Flow, gallons	N.R.	3,400	
1 10 11	Maximum Flow rate, gallons	40	N.R.	<u> </u>
	per minute	10	1.10.	
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	11/06/24	11/06/24	
Event and	Duration of storm event, in	N.R.	375	Rain started at 0600 EST on
Monitoring Summary	minutes	10.10.	515	11/06/24 and ended at 1215 EST on 11/06/24.
	Date and Time of sample	11/06/24	11/06/24	
	collection	0740	0950	
	Sampling Duration (Minutes)	Instantaneous	140	
	Total rainfall during sampling	N.R.	0.22	An additional 0.04 inches
	event, in inches			was recorded after sampling
				was completed for a storm
				total of 0.26 inches.
	Number of hours between event	N.R.	126	Precipitation of 0.11 inches
	sampled and previous			was recorded on $10/31/24$ at
	measurable (> 0.1 inch) event			2345 EST. There was no
				flow at the outfall on arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 3, OUTFALL S12 Monitoring Period: July 1 through December 31, 2024

Parameter			L, Mercury, total	Permit No. NY-0000973
Group	Parameter	in ng/L via me		Compliance Limit
		First Flush	Flow-weighted	
		Grab	Composite	
Group A	рН	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.6	N.R.	15 mg/L
	BOD-5	2.1	2.2	Not specified in permit.
	Total Suspended Solids (TSS)	16	16	N.R. = Not Required.
	Total Dissolved Solids (TDS)	850	670	
	Phosphorus, Total	0.044	0.071	
Group B	Aluminum	0.20	0.26	
Parameters	Iron	1.8	1.7	
	Copper, Total Recoverable (TR)	0.0013	0.0019	
	Lead (TR)	0.0013	0.0017	
	Zinc (TR)	0.0066	0.011	
Group C	Total Nitrogen (as N)	< 1.0	< 0.82	
Parameters	TKN	0.63	0.56	
	Nitrate Nitrogen (as N)	0.25	0.19	
	Nitrite Nitrogen (as N)	< 0.17	< 0.066	7
	Ammonia Nitrogen (as NH3)	0.017	0.017	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	-
	Vanadium, TR	N.R.	N.R.	-
	Surfactant (as LAS)	N.R.	N.R.	-
	Alpha BHC	< 0.0000063	< 0.0000072	-
	Settleable Solids	N.R.	N.R.	-
	Sulfide	N.R.	N.R.	-
	Mercury, Total (ng/L)	3.7	N.R.	-
	Paraquat Dichloride	< 0.00013/	N.R.	-
	Taraquat Diemonde	< 0.00013/	IN.IX.	
Flow	Total Flow, gallons	N.R.	290,000	
110w	Maximum Flow rate, gallons	1,700	N.R.	
	per minute	-	N.K.	
D C. 11	Method of flow measurement	Staff Gauge	11/26/24	
Rainfall Event and	Date(s) of event monitored	11/26/24	11/26/24	Dein stante 1 + 0145 ECT
Event and Monitoring Summary	Duration of storm event, in minutes	N.R.	525	Rain started at 0145 EST on 11/26/24 and ended at 1030 EST on 11/26/24.
-	Date and Time of sample	11/26/24	11/26/24	
	collection	0540	0830	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling	N.R.	0.35	An additional 0.06 inches
	event, in inches			fell after sampling was
				completed for a storm total
				of 0.41 inches.
	Number of hours between event	N.R.	50	Precipitation of 0.21 inches
	sampled and previous			was recorded on 11/23/24 at
	measurable (> 0.1 inch) event			2400 EST. There was flow
				above base flow at the
				outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 4, OUTFALL S34 Monitoring Period: July 1 through December 31, 2024

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
Gloup		First Flush Grab / Duplicate	Flow-weighted Composite	
Group A	pH	7.6 / 7.6 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.6 / < 1.6	N.R.	15 mg/L
	BOD-5	2.3 / < 2.0	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	87 / 86	93	N.R. = Not Required.
	Total Dissolved Solids (TDS)	590 / 600 570 0.064 / 0.058 0.082		-
	Phosphorus, Total		0.082	7
Group B	Aluminum	6.5 / 7.4	8.3	
Parameters	Iron	4.5 / 4.1	4.9	
	Copper, Total Recoverable (TR)	0.0077 / 0.0069	0.0096	_
	Lead (TR)	0.0097 / 0.010	0.012	7
	Zinc (TR)	0.054 / 0.045	0.058	1
Group C	Total Nitrogen (as N)	N.R.	N.R.	1
Parameters	TKN	N.R.	N.R.	1
	Nitrate Nitrogen (as N)	N.R.	N.R.	1
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	-
	Chromium, TR	N.R.	N.R.	-
	Hexavalent Chromium, TR	N.R.	N.R.	-
	Selenium, TR	N.R.	N.R.	-
	Vanadium, TR	N.R.	N.R.	-
	Surfactant (as LAS)	0.015 / < 0.013	< 0.013	-
	Alpha BHC	N.R.	N.R.	-
	Settleable Solids	N.R.	N.R.	-
	Sulfide	N.R.	N.R.	-
	Paraquat Dichloride	<pre>N.K. < 0.00013</pre>	N.R.	-
	-	< 0.00013		
Flow	Total Flow, gallons	N.R.	13,000	
	Maximum Flow rate, gallons per minute	210	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	08/06/24	08/06/24	
Event and	Duration of storm event, in	N.R.	1,160	Rain started at 0030 EST on
Monitoring Summary	minutes	1 1.	1,100	08/06/24 and ended at 1950 EST on 08/06/24.
2	Date and Time of sample	08/06/24	08/06/24	
	collection	1200	1450	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.17	An additional 0.07 inches was recorded after sampling was completed for a storm total of 0.24 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	57	Precipitation of 0.21 inches was recorded on 08/03/24 at 1520 EST. Outfall was at base flow conditions.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 5, OUTFALL S14 Monitoring Period: July 1 through December 31, 2024

Parameter Group	Parameter	Results in mg/ Settleable Soli		Permit No. NY-0000973 Compliance Limit
010 <i>w</i> p		First Flush Grab	Flow-weighted Composite	
Group A	pH	7.2 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.7	N.R.	15 mg/L
	BOD-5	4.2	3.1	Not specified in permit.
	Total Suspended Solids (TSS)	11	11	N.R. = Not required.
	Total Dissolved Solids (TDS)	860	880	
	Phosphorus, Total	0.092	0.099	
Group B	Aluminum	0.94	1.4	
Parameters	Iron	0.77	1.0	
	Copper, Total Recoverable (TR)	0.0022	0.0022	_
	Lead (TR)	0.00063	0.00069	
	Zinc (TR)	0.0053	0.0058	
Group C	Total Nitrogen (as N)	< 0.71	< 0.74	
Parameters	TKN	0.61	0.64	
	Nitrate Nitrogen (as N)	0.084	0.084	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.039	0.047	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	< 0.0019	< 0.0019	
	Surfactant (as LAS)	0.027	0.024	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	< 0.1	< 0.1	
	Sulfide	< 0.033	< 0.033	_
	Paraquat Dichloride	N.R.	N. R.	_
Flow	Total Flow, gallons	N.R.	580	
	Maximum Flow rate, gallons per minute	4.2	N.R.	
	Method of flow measurement	Weir		
Rainfall	Date(s) of event monitored	10/14/24	10/14/24	
Event and Monitoring Summary	Duration of storm event, in minutes	N.R.	495	Rain started at 0145 EST on 10/14/24 and ended at 1000 EST on 10/14/24.
-	Date and Time of sample	10/14/24	10/14/24	
	collection	0800	1050	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.46	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	7	Precipitation of 0.92 inches was recorded on 10/13/24 at 1845 EST. There was no flow at the outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 6, OUTFALL S36 Monitoring Period: July 1 through December 31, 2024

Parameter Group	Parameter	Results in mg/		Permit No. NY-0000973 Compliance Limit
Oloup	T arameter	First Flush	Flow-weighted	
<u>C</u>		Grab	Composite	N
Group A	pH	8.0 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	2.2	N.R.	15 mg/L
	BOD-5	3.4	2.1	Not specified in permit.
	Total Suspended Solids (TSS)	44	37	N.R. = Not required.
	Total Dissolved Solids (TDS)	470	370	* Data was flagged "D"
<u> </u>	Phosphorus, Total	< 0.0050	< 0.0050	* Data was flagged "R" unreliable during the data
Group B	Aluminum	2.9	2.3	validation process
Parameters	Iron	3.1	1.9	vandation process
	Copper, Total Recoverable (TR)	0.0037	0.0056	
	Lead (TR)	0.0030	0.0016	_
	Zinc (TR)	0.10	0.053	1
Group C	Total Nitrogen (as N)	< 2.2	< 1.1	
Parameters	TKN	2.1	1.0	
	Nitrate Nitrogen (as N)	0.032	0.028	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.054 "R"	0.045 "R"	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	0.0019	0.0031	
	Surfactant (as LAS)	< 0.013 "R"	< 0.013 "R"	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	< 0.1	< 0.1	
	Sulfide	< 0.033	< 0.033	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	8,600	
	Maximum Flow rate, gallons	87	N.R.	
	per minute			
	Method of flow measurement	Staff Gauge	I	•
Rainfall	Date(s) of event monitored	11/26/24	11/26/24	
Event and Monitoring Summary	Duration of storm event, in minutes	N.R.	525	Rain started at 0145 EST on 11/26/24 and ended at 1030 EST on 11/26/24.
5	Date and Time of sample	11/26/24	11/26/24	
	collection	0500	0750	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.35	An additional 0.06 inches was recorded after sampling was completed for a storm total of 0.41 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	50	Precipitation of 0.21 inches was recorded on 11/23/24 at 2400 EST. There was no flow at the outfall on arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 7, OUTFALL S20 Monitoring Period: July 1 through December 31, 2024

Parameter	Parameter	Results in mg/L		Permit No. NY-0000973
Group	Parameter	First Flush Grab/Duplicate	Flow-weighted Composite	Compliance Limit
Group A	pH	7.3 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.6	N.R.	15 mg/L
	BOD-5	4.2	6.8	Not specified in permit.
	Total Suspended Solids (TSS)	< 4.0	< 4.0	N.R. = Not required.
	Total Dissolved Solids (TDS)	< 2.4	11	
	Phosphorus, Total	0.033	0.022	
Group B	Aluminum	0.12	0.38	_
Parameters	Iron	0.11	0.32	_
	Copper, Total Recoverable (TR)	0.00081	0.0010	
	Lead (TR)	0.00074	0.00066	
	Zinc (TR)	0.0052	0.0074	
Group C	Total Nitrogen (as N)	< 0.29	< 0.34	
Parameters	TKN	< 0.19	0.30	
	Nitrate Nitrogen (as N)	0.077	< 0.020	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.22	0.32	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	< 0.013	< 0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	< 0.033	< 0.033	
	Paraquat Dichloride	< 0.00013 / < 0.00013	N.R.	
Flow	Total Flow, gallons	N.R.	96,000	
	Maximum Flow rate, gallons per minute	2,600	N.R.	
	Method of flow measurement	Staff Gauge	1	1
Rainfall	Date(s) of event monitored	10/29/24	10/29/24	
Event and Monitoring Summary	Duration of storm event, in minutes	N.R.	615	Rain started at 1030 EST on 10/29/24 and ended at 2045 EST on 10/29/24.
-	Date and Time of sample	10/29/24	10/29/24	
	collection	1140	1425	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.28	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	134	Precipitation of 0.14 inches was recorded on 10/23/24 at 2045 EST. There was no flow at the outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 8, OUTFALL S35 Monitoring Period: July 1 through December 31, 2024

Parameter	Parameter	Results, in mg/	/L	Permit No. NY-0000973 Compliance Limit
Group	Farameter	First Flush Grab	Flow-weighted Composite	
Group A	pН	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.6	N.R.	15 mg/L
	BOD-5	2.0	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	6.0	< 4.0	N.R. = Not Required.
	Total Dissolved Solids (TDS)	250	250	
	Phosphorus, Total	0.040	0.043	
Group B	Aluminum	0.37	0.56	
Parameters	Iron	0.27	0.31	
	Copper, Total Recoverable (TR)	0.0025	0.0026	
	Lead (TR)	0.00084	0.00090	
	Zinc (TR)	0.0096	0.010	
Group C	Total Nitrogen (as N)	< 1.2	< 1.2	
Parameters	TKN	0.79	0.83	
	Nitrate Nitrogen (as N)	0.38	0.35	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	7
	Ammonia Nitrogen (as NH3)	0.044	0.049	7
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	1
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	-
	Surfactant (as LAS)	0.019	0.018	-
	Alpha BHC	N.R.	N.R.	-
	Settleable Solids	N.R.	N.R.	-
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	<0.00013 / <0.00013	N.R.	
Flow	Total Flow, gallons	N.R.	81,000	
	Maximum Flow rate, gallons per minute	470	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	10/14/24	10/14/24	
Event and Monitoring Summary	Duration of storm event, in minutes	N.R.	495	Rain started at 0145 EST on 10/14/24 and ended at 1000 EST on 10/14/24.
-	Date and Time of sample	10/14/24	10/14/24	
	collection	0720	1010	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.46	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	7	Precipitation of 0.92 inches was recorded on 10/13/24 at 1845 EST. There was no flow at the outfall upon arrival.

Attachment C CHBWV Environmental Certification

CHBWV ENVIRONMENTAL CERTIFICATION

1. To be signed by a CHBWV Officer

I certify under penalty of law that I have reviewed the environmental submittal, including all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the document has been prepared in accordance with all applicable requirements and the information is, to the best of my knowledge and belief, true, accurate, and complete.

Elizabeth Lowes/ VP, Regulatory Strategy	ELIZABETH LOWES (Affiliate)	Digitally signed by ELIZABETH LOWES (Affiliate) Date: 2025.01.14 10:35:16 -05'00'
Name/Title (type or print)	Signature/ Date	

WV-1181, Rev. 9 (WV-904)

Attachment D

WVDP SPDES Permit "Special Conditions – Industry Best Management Practices," Permittee Certification of Annual Review

WVDP SPDES Permit "Special Conditions – Industry Best Management Practices," Permittee Certification of Annual Review

I certify under penalty of law that the annual review of the Clean Water Act/SPDES Best Management Practices (BMP) and Storm Water Pollution Prevention Plan (SWPPP) for the WVDP (WVDP-206) was completed by December 31, 2024, as per the "Special Conditions – Industry Best Management Practices" section of the SPDES Permit.

BRYAN BOWER BOWER

Bryan C. Bower, Project Director U.S. Department of Energy West Valley Demonstration Project Date

Attachment E

Email Confirmation from NYSDEC

From:	netdmr-notification@epa.gov
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:	Thursday, January 16, 2025 8:31:11 AM

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 12 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _73ac6a38-11db-4b72-8c28-3744cef6e4e5 User ID: ELIZABETH.LOWES@CHBWV.COM Timestamp: 01/16/2025 07:51:43

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001 Discharge: A - OUTFALL 001 ANNUAL Monitoring Period End Date: 12/31/24

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: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001 Discharge: S - OUTFALL 001 SEMI-ANNUAL Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001 Discharge: U - OUTFALL 001 ACTION LEVELS ANNUAL Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001 Discharge: V - OUTFALL 001 ACTION LEVELS SEMI-ANNUAL Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ

Permit ID: NY0000973 Permitted Feature: 001 Discharge: W - OUTFALL 001 WET TESTING QUARTERLY Monitoring Period End Date: 12/31/24

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: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007 Discharge: V - OUTFALL 007 ANNUAL MONITORING Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007 Discharge: W - OUTFALL 007 WET TESTING QUARTERLY Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B Discharge: M - MERCURY PRETREATMENT Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116 Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 12/31/24

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: SUM Discharge: N - SUM OF OUTFALLS 1 & 7 Monitoring Period End Date: 12/31/24

Thank you.

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