# CH2MHILL • BWXT West Valley, LLC

West Valley Demonstration Project

Ms. Jennifer Splitt, Contracting Officer U. S. Department of Energy 550 Main St., Room 7-010 Cincinnati, OH 45202 AC-PRES WD:2024:0461 June 11, 2024

ATTENTION: Jennifer Dundas

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

Dear Ms. Splitt

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period May 1 through May 31, 2024, has been submitted electronically. A copy of this submittal is attached as well as a copy of the email confirmation from the New York State Department of Environmental Conservation (NYSDEC).

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

Sincerely,

JASON CASPER (Affiliate)

Digitally signed by JASON CASPER (Affiliate) Date: 2024.06.11 13:34:30 -04'00'

Jason L. Casper President & General Manager

JLC:WNK:mlv

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

cc: B. C. Bower, DOE-WVDP A. V. Carr, CHBWV S. A. Cherry, CHBWV C. Chun, CHBWV L. K. Hollfelder, CHBWV W. N. Kean, CHBWV E. A. Lowes, CHBWV D. M. Martinet, CHBWV J. K. Mantione, CHBWV J. T. Pillittere, CHBWV K. A. Wooley, CHBWV Letter Log (M. Varner), CHBWV CHBWV OITS #2330379 Attachment A SPDES DMR for May 1 – 31, 2024

#### ATTACHMENT A

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

OUTFALL 001		=	M1 = (X1 + X2) V1 = 726279.22 mg/month
	Xl	=	<0.0827 mg/L
	X2	=	0.108 mg/L
	V1	=	7616981.88 L/month
OUTFALL 007		=	M7 = (X1 + X2) V7 = 0.00 mg/month
	X1	=	0.00 mg/L
	X2	=	0.00 mg/L
	V7	=	0.00 L/month
Note: There	was n	no disc	harge 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 =  $\frac{M1 + M7 - MRW}{V1 + V7}$  = <0.095 mg/L

#### ATTACHMENT A (Cont'd)

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

Date: May 1, 2024

- C4 = ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4
  - = ((0.224 MGD)(821 mg/L)+(0.299 MGD)(242 mg/L)+(0.403 MGD)(103 mg/L))/(0.925 MGD)
  - = 321 mg/L

Date: May 8, 2024

- C4 = ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4
  - = ((0.224 MGD) (787 mg/L)+(0.109 MGD) (174 mg/L)+(0.403 MGD) (129 mg/L))/(0.736 MGD)

= 336 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).

Attachment B Email Confirmation from NYSDEC

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the <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	#:	NY0000973		F	Permittee:		U	.S. DEPT OF	ENERGY					Fa	acility:	
Major:		Yes		F	Permittee Add	dress:		000 INDEPEN ASHINGTON	NDENCE AVE I, DC 20585	SW				Fa	acility Location:	
Permitt	ed Feature:	001 External Outfall		0	Discharge:			<b>)1-M</b> UTFALL 001	MONTHLY P	ROC WW, GW, S	STORM					
Report	Dates & Status			1												
	ring Period:	From 05/01/24 to	05/31/24	C	OMR Due Dat	e:	06	6/28/24						St	atus:	
	erations for Form Comp	oletion												I		
Princip	al Executive Officer															
First Na	ame:	Bryan C.		T	itle:		Di	irector, USDO	DE-WVDP					Те	elephone:	
Last Na	ime:	Bower												I		
No Data	a Indicator (NODI)															
Form N	ODI:															
	Parameter		Monitoring Location	Season	# Param. NODI				Quantity or Lo						Quality or Concer	
Code	Name	9				Sampla	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2 47.0	Qua
00154	Sulfata Iao Si		1 - Effluent Gross	0		Sample Permit Req.								=	Req Mon MO AVG	
00154	Sulfate [as S]		r - Eindent Gloss	0		Value NODI										
						Sample								<	5.21	=
00181	Oxygen demand, ultimat	te	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
	, <b>,</b> , , , , , , , , , , , , , , , , ,					Value NODI										
						Sample						=	8.3			=
00300	Oxygen, dissolved [DO]		1 - Effluent Gross	0		Permit Req.						>=	3.0 MINIMUM			
						Value NODI										
						Sample								<	2.1 Req Mon MO AVG	=
00310	BOD, 5-day, 20 deg. C		1 - Effluent Gross	0		Permit Req. Value NODI									Req MOIT MO AVG	<=
						Sample						=	7.8			=
00400	рН		1 - Effluent Gross	0		Permit Req.						=	6.5 MINIMUM			= <=
00400	bii		1 - Lindent Gross	0		Value NODI										
						Sample								<	4.0	<
00530	Solids, total suspended		1 - Effluent Gross	0		Permit Req.								<=	30.0 MO AVG	<=
						Value NODI										
						Sample								<	0.1	<
00545	Solids, settleable		1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=
						Value NODI										
			. =			Sample Permit Req.								<	1.6 Reg Mon MO AVG	<
00556	Oil & Grease		1 - Effluent Gross	0		Value NODI										
						Sample								<	0.02	<
00615	Nitrogen, nitrite total [as	: N1	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	
		· · · <b>·</b>		-		Value NODI										
						Sample								<	0.02	<
00620	Nitrogen, nitrate total [a	s N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	

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

**NetDMR Validated** 

716-942-4368

			# . f E.	Francisco de Antolia	Ormula Truck
on ualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
uanner 5	47.0	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
	Reg Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
		io ing/E	0		
	5.31	19 - mg/L		02/BA - Twice Per Batch	CA - CALCTD
	22.0 DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	CA - CALCTD
	8.5	19 - mg/L		02/BA - Twice Per Batch	GR - GRAB
	Req Mon MAXIMUM	19 - mg/L	0	02/BA - Twice Per Batch	GR - GRAB
	-		0		
	2.2	10			24 004004
	2.2 10.0 DAILY MX	19 - mg/L 19 - mg/L		02/BA - Twice Per Batch 02/BA - Twice Per Batch	24 - COMP24 24 - COMP24
		19 - mg/L	0	02/DA - Twice Fel Datch	24 - COIVIF 24
	7.8	12 - SU		01/BA - Once Per Batch	GR - GRAB
	8.5 MAXIMUM	12 - SU	0	01/BA - Once Per Batch	GR - GRAB
	4.0	19 - mg/L		02/BA - Twice Per Batch	24 - COMP24
	45.0 DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24
			Ŭ		
	0.1	25 - mL/L		02/BA - Twice Per Batch	GR - GRAB
	0.3 DAILY MX	25 - mL/L		02/BA - Twice Per Batch	GR - GRAB
		20 1112/2	0		
	1.6	19 - mg/L		01/BA - Once Per Batch	GR - GRAB
	15.0 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB
	0.02	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
	0.1 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24
			2		
	0.02	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
	Req Mon DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24
			0		

				Value NODI											
				Sample				=	0.45	=	0.46	19 - mg/L		02/BA - Twice Per Batch	24 - COMP24
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	 Permit Reg.					Reg Mon MO AVG		Req Mon DAILY MX			02/BA - Twice Per Batch	
00625	Nitrogen, Kjeldani, total [as N]	I - Elliuent Gross	0	 Value NODI									0		
				Sample				<	0.03	<	0.03	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
00740				Permit Reg.					Req Mon MO AVG			19 - mg/L		01/BA - Once Per Batch	
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	 					rieq mentile rite				0		21 00111 21
				Value NODI											
				Sample				=	0.00088	=	0.00088	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
00978	Arsenic, total recoverable	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24
				Value NODI											
				Sample				<	0.0002	<	0.0002	19 - mg/L		01/BA - Once Per Batch	GR - GRAB
00979	Cobalt, total recoverable	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=		19 - mg/L	0	01/BA - Once Per Batch	
00979		I - Ellident Gloss	0	 Value NODI									0		
				Sample				<	0.0009	<	0.0009	19 - mg/L		01/BA - Once Per Batch	GR - GRAB
00081	Solonium total recoverable	1 Effluent Cross	0	Permit Reg.					Req Mon MO AVG			19 - mg/L	0	01/BA - Once Per Batch	
00981	Selenium, total recoverable	1 - Effluent Gross	0	 Value NODI								- 5	0		
				Sample				<		=	0.108	19 - mg/L		02/BA - Twice Per Batch	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24
				Value NODI											
				Sample				<	0.047	<	0.047	19 - mg/L		01/BA - Once Per Batch	24 - COMP24
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	 Permit Req.				<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24
				Value NODI											
				Sample				<	0.00082	<	0.00082	19 - mg/L		01/BA - Once Per Batch	GR - GRAB
01128	Vanadium, total recoverable	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB
01120		r - Eindent Gross	0	 Value NODI									0		
									0.025	=	0.034	19 - mg/L		02/BA - Twice Per Batch	24 COMP24
				Sample Permit Req.				= <=		- <=	2.1 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0						1.5 100 AVO	~-		19 - Hig/L	0		24 - 001011 24
				Value NODI											
				Sample =			03 - MGD							02/BA - Twice Per Batch	
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						0	02/BA - Twice Per Batch	CN - CONTIN
				Value NODI											
				Sample				<	0.02	<	0.02	19 - mg/L		01/BA - Once Per Batch	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB
			Ŭ	Value NODI									Ű		
				Sample				=	804.0	=	821.0	19 - mg/L		02/BA - Twice Per Batch	GR - GRAB
70005				Permit Reg.					Reg Mon MO AVG	-	Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	
70295	Solids, total dissolved	1 - Effluent Gross	0	 Value NODI								- 5	0		
									2.2		2.2	214		01/PA Once Der Det-h	
				Sample Permit Reg.				= <=	2.2 50.0 MO AVG	=	2.2 Req Mon DAILY MX	3M - ng/L 3M - ng/l		01/BA - Once Per Batch 01/BA - Once Per Batch	GR - GRAB
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	 				<=	JU.U INIC AVG		Req MON DAILT MA	Jivi - Hg/L	0		GIV - OKAD
				Value NODI											
				Sample				=		=	0.02	19 - mg/L		01/BA - Once Per Batch	
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB
				Value NODI											
			_							-					

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors** 

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by CHBWV Environmental Services is 0.02 mg/L.

Attachments	
No attachments.	
Report Last Saved By	
U.S. DEPT OF ENERGY	
User:	william.kean@chbwv.com
Name:	William Kean
E-Mail:	william.kean@chbwv.com
Date/Time:	2024-06-10 08:39 (Time Zone: -04:00)

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

				Value NODI					C - No Discharge		C - No Discharge			
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	 Sample 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 Mont	h 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		02/30 - Twice Per Mont	h 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:	2024-06-10 08:41 (Time Zone: -04:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2024-06-11 10:06 (Time Zone: -04:00)

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Permit																			
Permit #	:	NY0000973			Per	rmittee:		U.S. D	EPT OF ENERGY			Facil	lity:	V	VEST VALLEY DEMO	ONSTRATIC	ON PRO	Cl	
Major:		Yes			Per	rmittee Ad	dress:		NDEPENDENCE A' IINGTON, DC 2058			Facil	lity Location:		10282 ROCK SPRING WEST VALLEY, NY 14				
Permitte	d Feature:	01B Internal Outfall			Dis	scharge:		01B-M Merc	I URY PRETREATM	ENT									
Report L	Dates & Status																		
Monitori	ng Period:	From 05/01/24 to	05/31/24		DM	IR Due Dat	e:	06/28/2	24			Statu	us:	1	NetDMR Validated				
Conside	rations for Form Complet	tion										•							
Principa	I Executive Officer																		
First Na	ne:	Bryan C.			Titl	le:		Directo	or, USDOE-WVDP			Tele	phone:	7	716-942-4368				
Last Nar	ne:	Bower										I							
No Data	Indicator (NODI)																		
Form NC																			
	Parameter	Monitoring Location	Season #	Param. NODI			Qua	antity or Load	ling				Quality or Conce	entration			# 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.		Req Mon MO AVG		Req 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	gana									
					Sample		e ne bionarge		o no bionargo										
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
11000	meredry, total [us rig]	1 Endent Cross	0		Value NODI								C - No Discharge		C - No Discharge				
Submiss	sion Note			<u> </u>															
	neter row does not contain	any values for the Sa	ample nor E	Effluent Tradir	na. then none	e of the follo	owina fields will be su	ubmitted for	that row: Units. Nu	mber of Ex	cursions. Frequency	of Analvs	is. and Sample Type						
	eck Errors		·		0,		0												
No errors																			
Comme																			
Attachm	ents																		
No attachm																			
Report L	ast Saved By																		
U.S. DEI	PT OF ENERGY																		
User:				william.kean@	chbwv.com	า													
Name:				William Kea	an														
E-Mail:				william.kean@	chbwv.com	า													
Date/Tim	e:			2024-06-10 (	)8:41 (Time	e Zone: -04	:00)												
	ast Signed By																		
User:				ELIZABETH.I	LOWES@CH	HBWV.CON	Λ												
Name:				Elizabeth Lo															
E-Mail:				elizabeth.low		com													
Date/Tim	e:			2024-06-11			:00)												
					,		,												

User:

Name: E-Mail:

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit																	
Permit #:	NY0000973		Permittee:			USI	DEPT OF ENERGY				Facility:		WEST		MONST	RATION PROJ	
Major:	Yes		Permittee					E SW			Facility Lo	cation:		ROCK SPRI			
	100		T ennittee	Address.			HINGTON, DC 20585	-				cation.		VALLEY, N			
Permitted Feature:	116 Internal Outfall		Discharge	:		116-N PSEU	<b>1</b> JDO MON. POINT @F	RAN	(S CRK								
Report Dates & Status																	
Monitoring Period:	From 05/01/24 to 05/31/24		DMR Due	Date:		06/28/	/24				Status:		NetDM	R Validated			
Considerations for Form Compl	etion										1						
IF PSUEDO MONITORING POINT		URING THE M		PERIOD, EITH	HER CHEC	K THEN	IO DISCHARGE BOX	OR E	NTER 'NODI A'IN PL	ACE OF A	MEASUREMENT	TO INDICAT	E A GENERAL PI	ERMIT EXE	IPTION.		
Principal Executive Officer				,													
First Name:	Bryan C.		Title:			Direct	tor, USDOE-WVDP				Telephone	:	716-94	2-4368			
Last Name:	Bower						,				1 .						
No Data Indicator (NODI)																	
Form NODI:																	
Parameter	Monitoring Location	Season #	Param. NODI			Quan	ntity or Loading				Quality or Conce	ntration			# of Ex.	Frequency of Analysis	Sample Type
Code Name					Qualifier 1	Value 1	Qualifier 2 Value 2	Units	Qualifier 1 Value 1	Qualifier 2		Qualifier 3		Units			
				Sample Permit Reg.						=	329.0 Req Mon MO AVG	= <=	336.0 500.0 DAILY MX	19 - mg/L 19 - mg/L		02/DS - Twice Per Discharge 02/DS - Twice Per Discharge	CA - CALCTD CA - CALCTD
70295 Solids, total dissolved	Z - Instream Monitoring	0		Value NODI										10 11.9,2	0		0.1 0.12012
Submission Note																	
If a parameter row does not contai	in any values for the Sample nor E	ffluent Trading	. then none of	the following	fields will be	e submit	tted for that row: Units	. Num	ber of Excursions. Fr	eauencv of	Analysis, and Sam	iple Type.					
Edit Check Errors		Ŭ	, 	0					,								
No errors.																	
Comments																	
As required in Title 6 of the New Y	ork State Codes, Rules, and Regu	ulations 6NYCF	R, Part 750-2	(e)(3), the Ne	w York Envi	ironmen	ntal Laboratory Accred	itation	Program (NYELAP)	identificatio	n numbers for Lab	oratories per	rforming analysis f	or the WVD	P DMR's	are as follows: 1) Eurofins: N	Lab No.
10026; 2) General Engineering La	nvironmental Services is 0.02 mg/L		loassay (NEB	B): NY LAD NO	0. 12157. AIS	IO, NYCI	RR Part 750-2(e)(3) re	eaures	s reporting of iviethod							end, the MDL for Total Reside	iai Uniorine
analysis, performed by CHBWV Ei		L.							s reporting of motiou	Detection I	Limits (MDLs) whe	e monitoring	g is not performed	under ELAP	. To that		
analysis, performed by CHBWV Ei		L.								Detection I	Limits (MDLs) whe	re monitoring	g is not performed	under ELAP	. To that		
		L.		Name						Detection	Limits (MDLs) whe	e monitoring	g is not performed Type	under ELAP	. To that	Size	
		L.		Name						Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP	353517.		
Attachments		L.		Name						Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP			
Attachments WVDP_May_2024_TDS_Calculation.		L.		Name						Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP			
Attachments WVDP_May_2024_TDS_Calculation. Report Last Saved By	pdf	L. william.kean@@	:hbwv.com	Name						Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP			
Attachments WVDP_May_2024_TDS_Calculation. Report Last Saved By U.S. DEPT OF ENERGY	pdf			Name						Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP			
Attachments WVDP_May_2024_TDS_Calculation. Report Last Saved By U.S. DEPT OF ENERGY User:	.pdf v v	william.kean@(		Name						Detection I	Limits (MDLs) whe	re monitoring	- ·	under ELAP			
Attachments WVDP_May_2024_TDS_Calculation. Report Last Saved By U.S. DEPT OF ENERGY User: Name:	pdf v v v	william.kean@o William Kean	hbwv.com							Detection	Limits (MDLs) whe	re monitoring	- ·	under ELAP			

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

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

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Permit																				
Permit #:		NY0000973			Permittee:			U.S. DEP	T OF EN	ERGY				Facility:		WEST VAL	LEY DEMON	ISTRATI	ON PROJ	
Major:		Yes			Permittee Ad	dress:		1000 IND WASHIN			E SW			Facility Location	1:		CK SPRINGS LEY, NY 141			
Permitted	Feature:	SUM Internal Outfall			Discharge:			<b>SUM-N</b> SUM OF	OUTFALL	LS1&7										
Report Da	ates & Status																			
Monitorin	g Period:	From 05/01/24 to 05/3	1/24		DMR Due Dat	e:		06/28/24						Status:		NetDMR V	alidated			
Consider	ations for Form Comple	etion																		
Principal	Executive Officer																			
First Nam	e:	Bryan C.			Title:			Director,	USDOE-V	WVDP				Telephone:		716-942-43	368			
Last Nam	e:	Bower												•						
No Data I	ndicator (NODI)																			
Form NO	DI:																			
	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ity or Loading						Quality or Concen	tration			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units C	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample									0.095	=	0.108	19 - mg/L		01/30 - Monthly	CA - CALCTD
01045	Iron, total [as Fe]	2 - Effluent Net	0		Permit Req.									Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L	0	01/30 - Monthly	CA - CALCTD
					Value NODI															
Submissi	AL												1		1	1		1		1

#### 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	Туре	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		
Name:	William Kean		
E-Mail:	william.kean@chbwv.com		
Date/Time:	2024-06-10 08:43 (Time Zone: -04:00)		
Report Last Signed By			
User:	ELIZABETH.LOWES@CHBWV.COM		
Name:	Elizabeth Lowes		
E-Mail:	elizabeth.lowes@chbwv.com		
Date/Time:	2024-06-11 10:06 (Time Zone: -04:00)		

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

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Permit																	
Permit	#:	NY0000973			Permittee:			U.S. DEPT OF ENERGY									
Major:		Yes		Permitte	ee Address	-		PENDENCE AVE TON, DC 20585	SW						Facility L	_00	
Permit	Permitted Feature: 007 External Outfall			Discharge:		007-M SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER											
Report	Dates & Status			1				,	, -		, -						
	ring Period:	From 05/01/24 to 0	5/31/24	DMR Du	le Date:		06/28/24										
	lerations for Form C														1		
Princip	al Executive Office	r															
First Na		Bryan C.		Title:			Director, U	SDOE-WVDP							Telephor	Telephone:	
Last Na	ame:	Bower													1 1		
No Dat	a Indicator (NODI)			1													
Form N	IODI:																
	Paramete	er	Monitoring Location	Season #	Param. NODI			Qua	antity or Load					Q	uality or Concentrati	on	
Code	N	ame				Comula	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	(	
00181	Oxygen demand, ultimate		1 - Effluent Gross	0		Sample Permit Req									Req Mon MO AVG	<	
						Value NOD									C - No Discharge		
	Oxygen, dissolved [DO]		1 - Effluent Gross	0		Sample										-	
00300						Permit Req						>=	3.0 MINIMUM				
						Value NOD	1						C - No Discharge				
	BOD, 5-day, 20 deg. C		1 - Effluent Gross	0		Sample											
00310						Permit Req									Req Mon MO AVG	<	
						Value NOD	1								C - No Discharge	_	
00400	рН		1 - Effluent Gross	0		Sample Permit Reg	L					>=	6.5 MINIMUM			<	
00400						Value NOD							C - No Discharge				
						Sample	-									-	
00530	Solids, total suspended		1 - Effluent Gross	0		Permit Req								<=	30.0 MO AVG	<	
						Value NOD	1								C - No Discharge		
						Sample											
00545 Solids, settleable			1 - Effluent Gross	0		Permit Req									Req Mon MO AVG	<	
						Value NOD	1								C - No Discharge		
00550	Oil & Grease		1 - Effluent Gross	0		Sample Permit Req	L.								Req Mon MO AVG	<	
00556						Value NOD									C - No Discharge		
						Sample									5	-	
00615	Nitrogen, nitrite total [as N]		1 - Effluent Gross	0		Permit Req									Req Mon MO AVG	<	
						Value NOD	1								C - No Discharge		
	Nitrogen, Kjeldahl, total [as N]		1 - Effluent Gross	0		Sample											
00625						Permit Req									Req Mon MO AVG		
						Value NOD	1								C - No Discharge		
						Sample Permit Reg									Req Mon MO AVG		
01045	Iron, total [as Fe]		1 - Effluent Gross	0													

# WEST VALLEY DEMONSTRATION PROJcation:10282 ROCK SPRINGS ROAD<br/>WEST VALLEY, NY 14171-9799

NetDMR Validated

: 716-942-4368

Qualifier 3 Value 3 Units 22.0 DAILY MX 19 - mg/L 01/30 - Monthly CA - CALCTD C - No Discharge 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 - COMP24 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 - COMP24 C - No Discharge 0.3 DAILY MX 25 - mL/L 02/30 - Twice Per Month GR - GRAB C - No Discharge 15.0 DAILY MX 02/30 - Twice Per Month GR - GRAB 19 - mg/L C - No Discharge 0.1 DAILY MX 24 - COMP24 01/30 - Monthly 19 - mg/L C - No Discharge Req Mon DAILY MX 19 - mg/L 01/30 - Monthly 24 - COMP24

# of Ex. Frequency of Analysis Sample Type

 Req Mon DAILY MX
 19 - mg/L
 02/30 - Twice Per Month
 24 - COMP24

C - No Discharge

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

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

CDX Transaction ID: \_f9206d68-4f0e-426c-b471-3057cb746a6f User ID: ELIZABETH.LOWES@CHBWV.COM Timestamp: 06/11/2024 10:06:59 \_\_\_\_\_ Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001 Discharge: M - OUTFALL 001 MONTHLY PROC WW, GW, STORM Monitoring Period End Date: 05/31/24 \_\_\_\_\_ Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007 Discharge: M - SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER Monitoring Period End Date: 05/31/24 -----Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B Discharge: M - MERCURY PRETREATMENT Monitoring Period End Date: 05/31/24 \_\_\_\_\_ Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116 Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 05/31/24 \_\_\_\_\_ Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: SUM Discharge: N - SUM OF OUTFALLS 1 & 7 Monitoring Period End Date: 05/31/24

Thank you.

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