

# CH2MHILL • BWXT West Valley, LLC

*West Valley Demonstration Project*

Ms. Angela M. Cooney, Contracting Officer  
U. S. Department of Energy  
550 Main St., Room 7-010  
Cincinnati, OH 45202

AC-PRES  
WD:2021:0156  
February 18, 2021

ATTENTION: Moira Maloney

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period January 1 through January 31, 2021

Dear Ms. Cooney:

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period January 1 through January 31, 2021 has been submitted electronically. A copy of this submittal is attached.

If you have any questions, please contact William Kean at (716) 942-4865 or Elizabeth Lowes at (716) 942-2641 or cell phone (716) 481-0429.

Sincerely,

Approval Obtained Electronically

John D. Rendall  
President & General Manager

JDR:WNK:bnj

Attachment: SPDES DMR for January 1 - 31, 2021

cc: B. C. Bower, DOE-WVDP  
L. K. Hollfelder, CHBWV  
W. N. Kean, CHBWV  
D. P. Klenk, CHBWV  
E. A. Lowes, CHBWV  
J. T. Pillittere, CHBWV (Public Reading Room)  
R. W. Platt, CHBWV  
M. A. Rodges, CHBWV  
K. A. Wooley, CHBWV  
Letter Log (B. Jeffery), CHBWV  
CHBWV OITS #2030348

**Attachment  
SPDES DMR**

ATTACHMENT

**SPDES DISCHARGE MONITORING REPORT - JANUARY 1 THROUGH JANUARY 31, 2021  
NET IRON EFFLUENT CONCENTRATION CALCULATION  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973**

$$\begin{aligned} \text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 452962.60 \text{ mg/month} \\ X1 &= 0.0445 \text{ mg/L} \\ X2 &= 0.0753 \text{ mg/L} \\ V1 &= 7561980.02 \text{ L/month} \end{aligned}$$

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

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

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

Note: Raw water from the reservoir system is no longer used for process water since the site installed two groundwater wells. This eliminated the need to collect raw water samples on a weekly basis and altered the iron discharge concentration equation as the mass of iron entering the system is no longer necessary.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - \text{MRW}}{V1 + V7} = 0.060 \text{ mg/L}$$

ATTACHMENT (Cont=d)

**SPDES DISCHARGE MONITORING REPORT - JANUARY 1 THROUGH JANUARY 31, 2021  
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973**

Date: January 6, 2021

$$\begin{aligned} C4 &= ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4 \\ &= ((0.271 \text{ MGD})(957 \text{ mg/L})+(0.687 \text{ MGD})(297 \text{ mg/L})+(0.418 \text{ MGD})(90 \text{ mg/L}))/ (1.375 \text{ MGD}) \\ &= 364 \text{ mg/L} \end{aligned}$$

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Date: January 12, 2021

$$\begin{aligned} C4 &= ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4 \\ &= (0.271 \text{ MGD})(1020 \text{ mg/L})+(0.364 \text{ MGD})(203 \text{ mg/L})+(0.418 \text{ MGD})(104 \text{ mg/L}))/1.052 \text{ MGD}) \\ &= 374 \text{ mg/L} \end{aligned}$$

- 
- Q1 = Flow at Outfall 001, million gallons per day (MGD).
- C1 = Total Dissolved Solids (TDS) concentration at Outfall 001, mg/L.
- Q2 = Flow in Franks Creek, MGD (without Outfall 001), measured at WNSP006 just prior to, and shortly after the discharge event.
- C2 = TDS concentration in Franks Creek measured at WNSP006 just prior to, and shortly after the discharge event.
- Q3 = Flow of augmentation water, MGD, if required.
- C3 = TDS concentration in augmentation water, MGD.
- Q4 = Q1 + Q2 + Q3, MGD (Flow in Franks Creek, including Outfall 001).
- C4 <= 500 mg/L (calculated TDS concentration at 116 in Franks Creek, which includes Outfall 001).

DMR Copy of Record

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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 01/01/21 to 01/31/21	DMR Due Date:	02/28/21
Status:	NetDMR Validated		

Considerations for Form Completion

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

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample						=	50.0	=	50.0	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L					
					Value NODI														
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample						<	4.78	<	5.06	19 - mg/L	0	02/BA - Twice Per Batch	CA - CALCTD	
					Permit Req.						Req Mon MO AVG <=	22.0 DAILY MX	19 - mg/L						
					Value NODI														
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	12.0	=	13.0	19 - mg/L	0	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req.						>=	3.0 MINIMUM		Req Mon MAXIMUM	19 - mg/L				
					Value NODI														
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						<	2.0	<	2.0	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG <=	10.0 DAILY MX	19 - mg/L						
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample						=	8.0	=	8.0	12 - SU	0	01/BA - Once Per Batch	GR - GRAB	
					Permit Req.						>=	6.5 MINIMUM		<=	8.5 MAXIMUM				12 - SU
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						<	4.0	<	4.0	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L				
					Value NODI														
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample						<	0.1	<	0.1	25 - mL/L	0	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req.						Req Mon MO AVG <=	0.3 DAILY MX	25 - mL/L						
					Value NODI														
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						=	1.5	=	1.5	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB	
					Permit Req.						Req Mon MO AVG <=	15.0 DAILY MX	19 - mg/L						
					Value NODI														
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample						<	0.02	<	0.02	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG <=	0.1 DAILY MX	19 - mg/L						
					Value NODI														
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample						=	0.056	=	0.056	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L					
					Value NODI														
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample						=	0.39	=	0.45	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L					
					Value NODI														
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample						<	0.03	<	0.03	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG <=	0.4 DAILY MX	19 - mg/L						
					Value NODI														
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.0011	=	0.0011	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG <=	0.15 DAILY MX	19 - mg/L						
					Value NODI														

00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0006	<	0.0006	19 - mg/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG <=	0.005 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB		
					Value NODI																
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0004	<	0.0004	19 - mg/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG <=	0.004 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB		
					Value NODI																
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample						=	0.06	=	0.08	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24				
					Permit Req.									Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24		
					Value NODI																
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample						<	0.06	<	0.06	19 - mg/L	01/BA - Once Per Batch	24 - COMP24				
					Permit Req.									<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	24 - COMP24
					Value NODI																
01128	Vanadium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0015	<	0.0015	19 - mg/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG <=	0.014 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB		
					Value NODI																
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample						<	0.009	<	0.009	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24				
					Permit Req.									<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	24 - COMP24
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.271	=	0.365	03 - MGD							02/BA - Twice Per Batch	CN - CONTIN			
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									0	02/BA - Twice Per Batch	CN - CONTIN
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						=	0.04	=	0.04	19 - mg/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG <=	0.1 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB		
					Value NODI																
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample						=	989.0	=	1020.0	19 - mg/L	02/BA - Twice Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	0	02/BA - Twice Per Batch	GR - GRAB		
					Value NODI																
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample						=	1.0	=	1.0	3M - ng/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									<=	50.0 MO AVG	Req Mon DAILY MX	3M - ng/L	0	01/BA - Once Per Batch	GR - GRAB	
					Value NODI																
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	--	Sample						=	0.01	=	0.01	19 - mg/L	01/BA - Once Per Batch	GR - GRAB				
					Permit Req.									Req Mon MO AVG <=	0.04 DAILY MX	19 - mg/L	0	01/BA - Once Per Batch	GR - GRAB		
					Value NODI																

**Submission Note**

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

**Edit Check Errors**

No errors.

**Comments**

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. 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 the CHBWV wastewater treatment plant operators is 0.01 mg/L.

**Attachments**

No attachments.

**Report Last Saved By**

**U.S. DEPT OF ENERGY**

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbwv.com  
Date/Time: 2021-02-18 11:49 (Time Zone: -05:00)

**Report Last Signed By**

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbwv.com  
Date/Time: 2021-02-18 11:51 (Time Zone: -05:00)

DMR Copy of Record

<b>Permit</b>			
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585
Permitted Feature:	007 External Outfall	Discharge:	007-M SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER
Facility:	WEST VALLEY DEMONSTRATION PROJ		Facility Location:
		10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799	

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 01/01/21 to 01/31/21	DMR Due Date:	02/28/21
Status:	NetDMR Validated		

Considerations for Form Completion

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

No Data Indicator (NODI)  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units	
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample													19 - mg/L	01/30 - Monthly	CA - CALCTD
					Permit Req.						Req Mon MO AVG	<=	22.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.						>=	3.0 MINIMUM		Req Mon MAXIMUM						
					Value NODI						C - No Discharge		C - No Discharge							
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	10.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00400	pH	1 - Effluent Gross	0	--	Sample												12 - SU	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.						>=	6.5 MINIMUM		<=	8.5 MAXIMUM					
					Value NODI						C - No Discharge		C - No Discharge							
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	24 - COMP24	
					Permit Req.						<=	30.0 MO AVG	<=	45.0 DAILY MX						
					Value NODI						C - No Discharge		C - No Discharge							
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample												25 - mL/L	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.						Req Mon MO AVG	<=	0.3 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	GR - GRAB	
					Permit Req.						Req Mon MO AVG	<=	15.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/30 - Monthly	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	0.1 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/30 - Monthly	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/30 - Twice Per Month	24 - COMP24	
					Permit Req.						<=	1.49 MO AVG	<=	2.1 DAILY MX						
					Value NODI						C - No Discharge		C - No Discharge							
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample												03 - MGD	01/30 - Monthly	CN - CONTIN	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/30 - Monthly	GR - GRAB	
					Permit Req.						Req Mon MO AVG	<=	0.1 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							

70295	<b>Solids, total dissolved</b>	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Value NODI									C - No Discharge		C - No Discharge				
71900	<b>Mercury, total [as Hg]</b>	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		01/30 - Monthly	GR - GRAB
					Value NODI									C - No Discharge		C - No Discharge				

**Submission Note**

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

**Edit Check Errors**

No errors.

**Comments**

**Attachments**

No attachments.

**Report Last Saved By**

U.S. DEPT OF ENERGY

User: ELIZABETH.LOWES@CHBWV.COM  
 Name: Elizabeth Lowes  
 E-Mail: elizabeth.lowes@chbwv.com  
 Date/Time: 2021-02-18 11:50 (Time Zone: -05:00)

**Report Last Signed By**

User: ELIZABETH.LOWES@CHBWV.COM  
 Name: Elizabeth Lowes  
 E-Mail: elizabeth.lowes@chbwv.com  
 Date/Time: 2021-02-18 11:51 (Time Zone: -05:00)



**DMR Copy of Record**

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

<b>Report Dates &amp; Status</b>					
Monitoring Period:	From 01/01/21 to 01/31/21	DMR Due Date:	02/28/21	Status:	NetDMR Validated

**Considerations for Form Completion**

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

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3
00056	Flow rate	1 - Effluent Gross	0	--	Sample												01/07 - Weekly	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d								
					Value NODI		C - No Discharge		C - No Discharge									
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample												02/BA - Twice Per Batch	GR - GRAB
					Permit Req.							Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L			
					Value NODI							C - No Discharge		C - No Discharge				

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

**Edit Check Errors**  
No errors.

**Comments**

**Attachments**  
No attachments.

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

User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbwv.com  
Date/Time: 2021-02-18 11:50 (Time Zone: -05:00)

**Report Last Signed By**  
User: ELIZABETH.LOWES@CHBWV.COM  
Name: Elizabeth Lowes  
E-Mail: elizabeth.lowes@chbwv.com  
Date/Time: 2021-02-18 11:51 (Time Zone: -05:00)

## DMR Copy of Record

Permit																					
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY						Facility:	WEST VALLEY DEMONSTRATION PROJ											
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585						Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799											
Permitted Feature:	116 Internal Outfall	Discharge:	116-M PSEUDO MON. POINT @FRANKS CRK																		
Report Dates & Status																					
Monitoring Period:	From 01/01/21 to 01/31/21		DMR Due Date:	02/28/21					Status:	NetDMR Validated											
Considerations for Form Completion																					
IF PSUEDO MONITORING POINT REPORT IS NOT REQUIRED DURING THE MONITORING PERIOD, EITHER CHECK THENO DISCHARGE BOX OR ENTER 'NODI A' IN PLACE OF A MEASUREMENT TO INDICATE A GENERAL PERMIT EXEMPTION.																					
Principal Executive Officer																					
First Name:	Bryan		Title:	Director						Telephone:	716-942-4368										
Last Name:	Bower																				
No Data Indicator (NODI)																					
Form NODI:	--																				
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type					
Code	Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units						
70295	Solids, total dissolved	Z - Instream Monitoring	0	--	Sample						=	369.0	=	374.0	19 - mg/L	0	02/DS - Twice Per Discharge	CA - CALCTD			
					Permit Req.																
					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) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. 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 the CHBWV wastewater treatment plant operators is 0.01 mg/L. Attachments																					
Attachments																					
											Name	Type	Size								
											WVDP_January_2021_TDS_Calculation.pdf	pdf	145010.0								
Report Last Saved By																					
U.S. DEPT OF ENERGY																					
User:	ELIZABETH.LOWES@CHBWV.COM																				
Name:	Elizabeth Lowes																				
E-Mail:	elizabeth.lowes@chbwv.com																				
Date/Time:	2021-02-18 11:50 (Time Zone: -05:00)																				
Report Last Signed By																					
User:	ELIZABETH.LOWES@CHBWV.COM																				
Name:	Elizabeth Lowes																				
E-Mail:	elizabeth.lowes@chbwv.com																				
Date/Time:	2021-02-18 11:51 (Time Zone: -05:00)																				

## DMR Copy of Record

Permit																				
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY						Facility:	WEST VALLEY DEMONSTRATION PROJ										
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585						Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799										
Permitted Feature:	SUM Internal Outfall	Discharge:	SUM-N SUM OF OUTFALLS 1 & 7																	
Report Dates & Status																				
Monitoring Period:	From 01/01/21 to 01/31/21						DMR Due Date:	02/28/21						Status:	NetDMR Validated					
Considerations for Form Completion																				
Principal Executive Officer																				
First Name:	Bryan						Title:	Director						Telephone:	716-942-4368					
Last Name:	Bower																			
No Data Indicator (NODI)																				
Form NODI:	--																			
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading						Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
Code	Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units					
01045	Iron, total [as Fe]	2 - Effluent Net	0	--	Sample					=	0.06	=	0.06	19 - mg/L	0	01/30 - Monthly	CA - CALCTD			
					Permit Req.					Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L	01/30 - Monthly		CA - CALCTD				
					Value NODI															
Submission Note																				
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																				
Edit Check Errors																				
No errors.																				
Comments																				
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Attachments																				
												Name	Type	Size						
												WVDP_January_2021_Net_Iron_Calculation.pdf	pdf	123286.0						
Report Last Saved By																				
<b>U.S. DEPT OF ENERGY</b>																				
User:	ELIZABETH.LOWES@CHBWW.COM																			
Name:	Elizabeth Lowes																			
E-Mail:	elizabeth.lowes@chbww.com																			
Date/Time:	2021-02-18 11:50 (Time Zone: -05:00)																			
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