

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:2020:0221
March 18, 2020

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period February 1 through February 29, 2020

Dear Ms. Cooney:

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period February 1 through February 29, 2020 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 extension 4865 or Janice Williams at extension 4602.

Sincerely,



John D. Rendall
Acting General Manager

JDR:WNK:bnj

Attachments: A) SPDES DMR for February 1 – February 29, 2020
B) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP
C. Chun, CHBWV
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
D. P. Klenk, CHBWV
L. J. Ortega, CHBWV
J. T. Pillittere, CHBWV (Public Reading Room)
J. D. Williams, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #1930332

Attachment A
SPDES DMR

ATTACHMENT

**SPDES DISCHARGE MONITORING REPORT - FEBRUARY 1 THROUGH FEBRUARY 29, 2020
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973**

$$\begin{aligned} \text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 685998.36 \text{ mg/month} \\ X1 &= 0.0527 \text{ mg/L} \\ X2 &= 0.154 \text{ mg/L} \\ V1 &= 6637623.19 \text{ L/month} \end{aligned}$$

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

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

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

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

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - MRW}{V1 + V7} = 0.10 \text{ mg/L}$$

ATTACHMENT (Cont'd)

**SPDES DISCHARGE MONITORING REPORT - FEBRUARY 1 THROUGH FEBRUARY 29, 2020
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973**

Date: February 12, 2020

$$\begin{aligned} C4 &= ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4 \\ &= ((0.208 \text{ MGD})(881 \text{ mg/L})+(0.000 \text{ MGD})(0 \text{ mg/L})+(0.418 \text{ MGD})(126 \text{ mg/L}))/ (0.625 \text{ MGD}) \\ &= 377 \text{ mg/L} \end{aligned}$$

C2 TDS concentration in Franks Creek taken just prior to the discharge was above 500 mg/L and was therefore not used in the above calculation.

Date: February 18, 2020

$$\begin{aligned} C4 &= ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4 \\ &= (0.208 \text{ MGD})(1240 \text{ mg/L})+(0.687 \text{ MGD})(244 \text{ mg/L})+(0.418 \text{ MGD})(113 \text{ mg/L}))/1.313 \text{ MGD} \\ &= 360 \text{ mg/L} \end{aligned}$$

-
- 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

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:	001 External Outfall	Discharge:	001-M OUTFALL 001 MONTHLY PROC WW, GW, STORM		

Report Dates & Status					
Monitoring Period:	From 02/01/20 to 02/29/20	DMR Due Date:	03/28/20	Status:	NetDMR Validated

Considerations for Form Completion					
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Principal Executive Officer					
First Name:	Bryan C.	Title:	Director, USDOE-WVDP	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	Units
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample						=	69.0	=	69.0	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI										0				
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample						<	4.23	=	4.72	19 - mg/L	02/BA - Twice Per Batch	CA - CALCTD		
					Permit Req.							Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L				
					Value NODI										0				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					=	13.0			17.0	19 - mg/L	02/BA - Twice Per Batch	GR - GRAB		
					Permit Req.						>=	3.0 MINIMUM			Req Mon MAXIMUM			19 - mg/L	
					Value NODI										0				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						<	1.2	=	1.4	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L				
					Value NODI										0				
00400	pH	1 - Effluent Gross	0	--	Sample					=	7.2			7.2	12 - SU	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.						>=	6.5 MINIMUM			<=			8.5 MAXIMUM	12 - SU
					Value NODI										0				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	2.2	=	2.3	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.						<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L				
					Value NODI										0				
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample						<	0.1	<	0.1	25 - mL/L	02/BA - Twice Per Batch	GR - GRAB		
					Permit Req.							Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L				
					Value NODI										0				
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						<	1.5	<	1.5	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.							Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L				
					Value NODI										0				
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample						<	0.03	<	0.03	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L				
					Value NODI										0				
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample						<	0.033	<	0.033	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI										0				
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample						=	0.53	=	0.57	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI										0				
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample						<	0.03	<	0.03	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L				
					Value NODI										0				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002	<	0.002	19 - mg/L	01/BA - Once Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L				
					Value NODI										0				
00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0003	<	0.0003	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.							Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L				
					Value NODI										0				
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.002	<	0.002	19 - mg/L	01/BA - Once Per Batch	GR - GRAB		
					Permit Req.							Req Mon MO AVG	<=	0.004 DAILY MX	19 - mg/L				
					Value NODI										0				
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample						=	0.1	=	0.15	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24		
					Permit Req.							Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI										0				

01105 Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample					<	0.068	<	0.068	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					<	0.001	<	0.001	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					=	0.11	=	0.12	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	=	0.208	=	0.301	03 - MGD					02/BA - Twice Per Batch	CN - CONTIN
				Permit Req.	Req Mon MO AVG			Req Mon DAILY MX	03 - MGD					02/BA - Twice Per Batch	CN - CONTIN
				Value NODI											
50060 Chlorine, total residual	1 - Effluent Gross	0	--	Sample					=	0.02	=	0.02	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
				Permit Req.					Req Mon MO AVG <=			0.1 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	GR - GRAB
				Value NODI											
70295 Solids, total dissolved	1 - Effluent Gross	0	--	Sample					=	1061.0	=	1240.0	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					=	3.0	=	3.0	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					=	0.02	=	0.02	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
				Permit Req.					Req Mon MO AVG <=			0.04 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	GR - GRAB
				Value NODI											

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) 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: william.kean@chbwv.com
 Name: William Kean
 E-Mail: william.kean@chbwv.com
 Date/Time: 2020-03-17 07:11 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbwv.com
 Name: Janice Williams
 E-Mail: janice.williams@chbwv.com
 Date/Time: 2020-03-17 09:34 (Time Zone: -04:00)

DMR Copy of Record

Permit			
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		

Report Dates & Status			
Monitoring Period:	From 02/01/20 to 02/29/20	DMR Due Date:	03/28/20
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Bryan C.	Title:	Director, USDOE-WVDP
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			
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	22.0 DAILY MX	19 - mg/L				01/30 - Monthly	CA - CALCTD
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						>=	3.0 MINIMUM	19 - mg/L				02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	10.0 DAILY MX	19 - mg/L				02/30 - Twice Per Month	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00400	pH	1 - Effluent Gross	0	--	Sample						>=	6.5 MINIMUM	12 - SU				02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						<=	30.0 MO AVG	19 - mg/L				02/30 - Twice Per Month	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	0.3 DAILY MX	25 - mL/L				02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	15.0 DAILY MX	19 - mg/L				02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	0.1 DAILY MX	19 - mg/L				01/30 - Monthly	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L				01/30 - Monthly	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L				02/30 - Twice Per Month	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample						<=	1.49 MO AVG	19 - mg/L				02/30 - Twice Per Month	24 - COMP24
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG	Req Mon DAILY MX	03 - MGD				01/30 - Monthly	CN - CONTIN
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	0.1 DAILY MX	19 - mg/L				01/30 - Monthly	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L				02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					Value NODI													
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample						Req Mon MO AVG <=	50.0 DAILY MX	3M - ng/L				01/30 - Monthly	GR - GRAB
					Permit Req.						C - No Discharge	C - No Discharge						
					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

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: 2020-03-17 07:11 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbwv.com
Name: Janice Williams
E-Mail: janice.williams@chbwv.com
Date/Time: 2020-03-17 09:34 (Time Zone: -04:00)

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:	01B Internal Outfall	Discharge:	01B-M MERCURY PRETREATMENT		

Report Dates & Status

Monitoring Period:	From 02/01/20 to 02/29/20	DMR Due Date:	03/28/20	Status:	NetDMR Validated
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Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan C.	Title:	Director, USDOE-WVDP	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	Units		
00056	Flow rate	1 - Effluent Gross	0	--	Sample																
					Permit Req.	Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d											01/07 - Weekly	CN - CONTIN
					Value NODI	C - No Discharge		C - No Discharge													
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample																
					Permit Req.							Req Mon MO AVG <=	50.0 DAILY MX	3M - ng/L						02/BA - Twice 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

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbvv.com
 Name: William Kean
 E-Mail: william.kean@chbvv.com
 Date/Time: 2020-03-17 07:12 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbvv.com
 Name: Janice Williams
 E-Mail: janice.williams@chbvv.com
 Date/Time: 2020-03-17 09:34 (Time Zone: -04:00)

DMR Copy of Record

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	--							=		369.0	=	377.0	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD
													Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L	0	02/DS - Twice Per Discharge	CA - CALCTD

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 02/01/20 to 02/29/20 | **DMR Due Date:** 03/28/20 | **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 C. | **Title:** Director, USDOE-WVDP | **Telephone:** 716-942-4368
Last Name: Bower

No Data Indicator (NODI)
Form 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) GEL : 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

Name	Type	Size
WVDP_February_2020_TDS_Calculation.pdf	pdf	269509.0

Report Last Saved By
U.S. DEPT OF ENERGY
User: william.kean@chbvw.com
Name: William Kean
E-Mail: william.kean@chbvw.com
Date/Time: 2020-03-17 07:13 (Time Zone: -04:00)

Report Last Signed By
User: janice.williams@chbvw.com
Name: Janice Williams
E-Mail: janice.williams@chbvw.com
Date/Time: 2020-03-17 09:34 (Time Zone: -04:00)

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 02/01/20 to 02/29/20				DMR Due Date:	03/28/20				Status:	NetDMR Validated							
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Bryan C.				Title:	Director, USDOE-WVDP				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						=		0.1	=	0.1	19 - mg/L		01/30 - Monthly	CA - CALCTD
				Permit Req.								Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L 0		01/30 - Monthly	CA - CALCTD
				Value NODI														
Submission Note																		
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																		
Edit Check Errors																		
No errors.																		
Comments																		
As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) 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																		
												Name	Type	Size				
												WVDP_February_2020_Net_Iron_Calculation.pdf	pdf	227307.0				
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:	2020-03-17 07:14 (Time Zone: -04:00)																	
Report Last Signed By																		
User:	janice.williams@chbwv.com																	
Name:	Janice Williams																	
E-Mail:	janice.williams@chbwv.com																	
Date/Time:	2020-03-17 09:34 (Time Zone: -04:00)																	