CH2MHILL • BWXT West Valley, LLC

West Valley Demonstration Project

Ms. Angela M. Cooney, Contracting Officer U. S. Department of Energy 250 East 5th St., Suite 500 Cincinnati, OH 45202

AC-PRES WD:2019:0502 June 20, 2019

SUBJECT:

Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System

(SPDES) Discharge Monitoring Report (DMR)

Dear Ms. Cooney:

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, 2019 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 2913.

Sincerely,

Scott A. Anderson

President & General Manager

Satt a. anlen

SAA:WNK:bnj

Attachments:

A) SPDES DMR for May 1-31, 2019

B) Email Confirmation from NYSDEC

cc:

T. Taggart, DOE-EMCBC

B. C. Bower, DOE-WVDP

C. Chun, CHBWV

L. K. Hollfelder, CHBWV

W. N. Kean, CHBWV

L. J. Ortega, CHBWV

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

J. D. Rendall, CHBWV

J. E. Wangelin, CHBWV

J. D. Williams, CHBWV

Letter Log (B. Jeffery), CHBWV

CHBWV OITS #1830332

Attachment A SPDES DMR

ATTACHMENT

SPDES DISCHARGE MONITORING REPORT - MAY 1 THROUGH MAY 31, 2019

NET IRON EFFLUENT CONCENTRATION CALCULATION

WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

OUTFALL 001 = M1 =
$$\frac{(X1 + X2) V1}{2}$$
 = 638173.19 mg/month

X1 = 0.076 mg/L

X2 = 0.095 mg/L

V1 = 7464013.87 L/month

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

X1 = 0.00 mg/L

X2 = 0.00 mg/L

V7 = 0.00 L/month

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

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 =
$$\frac{M1 + M7 - MRW}{V1 + V7}$$
 = 0.086 mg/L

ATTACHMENT (Cont'd)

SPDES DISCHARGE MONITORING REPORT - MAY 1 THROUGH MAY 31, 2019
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973

Date: May 8, 2019

C4 = ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4

= ((0.248 MGD) (732 mg/L) + (0.364 MGD) (213 mg/L) + (0.324 MGD) (89 mg/L)) / (0.936 MGD)

= 308 mg/L

Date: May 15, 2019

C4 = ((Q1)(C1)+(Q2)(C2)+(Q3)(C3))/Q4

= ((0.248 MGD)(734 mg/L)+(0.364 MGD)(177 mg/L)+(0.324 MGD)(79 mg/L))/0.936 MGD)

= 291 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).

Permit #:

Major:

NY0000973

External Outfall

140000973

Yes

001

Permittee: U.S. DEPT OF ENERGY

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

001-M

OUTFALL 001 MONTHLY PROC WW, GW, STORM

Report Dates & Status

Permitted Feature:

Monitoring Period: From 05/01/19 to 05/31/19

DMR Due Date: 06/28/19

Discharge:

Status:

Facility:

Facility Location:

NetDMR Validated

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

Principal Executive Officer

First Name: Bryan C

Considerations for Form Completion

Last Name: Bower

Title: Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

Parameter	Worldoring Location	Season # Param. NOD	וכ			uantity or Loadi						Quality or Concer				Ex. Frequency of Analysis Sample
Code Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier	2 Value 2	Qualifier 3	Value 3	Units	
			Sample								=	55		55	19 - mg/L	01/BA - Once Per Batch 24 - COM
0154 Sulfate [as S]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	i	Req Mon DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COM
			Value NOD													
			Sample								<	5.19	=	5.92	19 - mg/L	02/BA - Twice Per Batch CA - CAL
0181 Oxygen demand, ultimate	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	22 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch CA - CAL
			Value NOD													
			Sample							10			=	12	19 - mg/L	02/BA - Twice Per Batch GR - GR
0300 Oxygen, dissolved [DO]	1 - Effluent Gross	0	Permit Req						>=	3 MINIMUM				Req Mon MAXIMUM	19 - mg/L 0	02/BA - Twice Per Batch GR - GR
			Value NOD													
			Sample								<	2.5		3	19 - mg/L	02/BA - Twice Per Batch 24 - COM
0310 BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	10 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COM
			Value NOD													
			Sample							8.2			=	8.2	12 - SU	01/BA - Once Per Batch GR - GR
0400 pH	1 - Effluent Gross	0	Permit Req						>=	6.5 MINIMUN	1		<=	8.5 MAXIMUM	12 - SU 0	01/BA - Once Per Batch GR - GR
			Value NOD													
			Sample								<	4	<	4	19 - mg/L	02/BA - Twice Per Batch 24 - COM
0530 Solids, total suspended	1 - Effluent Gross	0	Permit Req								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COM
			Value NOD													
			Sample								<	0.1		0.1	25 - mL/L	02/BA - Twice Per Batch GR - GR
0545 Solids, settleable	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.3 DAILY MX	25 - mL/L 0	02/BA - Twice Per Batch GR - GR
			Value NODI													
00556 Oil & Grease 1 - Effluent			Sample								=	4.8	-	4.8	19 - mg/L	01/BA - Once Per Batch GR - GR
	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	15 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GR
			Value NOD													
			Sample								<	0.02	<	0.02	19 - mg/L	01/BA - Once Per Batch 24 - COM
0615 Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.1 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COM
			Value NOD													
			Sample								<	0.02	<	0.02	19 - mg/L	01/BA - Once Per Batch 24 - COM
00620 Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	i	Req Mon DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COM
			Value NOD													
			Sample								=	0.32	=	0.32	19 - mg/L	02/BA - Twice Per Batch 24 - COM
0625 Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	i	Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COM
			Value NOD													
			Sample								<	0.05	<	0.05	19 - mg/L	01/BA - Once Per Batch 24 - COM
0746 Sulfide, dissolved, [as S]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.4 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COM
			Value NOD													
			Sample								=	0.0012	=	0.0012	19 - mg/L	01/BA - Once Per Batch 24 - COM
0978 Arsenic, total recoverable	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.15 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COM
			Value NOD													
			Sample								<	0.0006	<	0.0006	19 - mg/L	01/BA - Once Per Batch GR - GR
0979 Cobalt, total recoverable	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.005 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GR
			Value NOD													
			Sample								<	0.0004	<	0.0004	19 - mg/L	01/BA - Once Per Batch GR - GR
0981 Selenium, total recoverable	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	<=	.004 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GR
			Value NODI													
			Sample								=	0.086	=		19 - mg/L	02/BA - Twice Per Batch 24 - COM
1045 Iron, total [as Fe]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVO	i	Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COM
			Value NOD													

				Sample				<	0.06	<	0.06	19 - mg/L	01/BA - Once Per Batch 24 - COMP24
01105 Aluminum, total [as Al]	1 - Effluent Gross	0		Permit Req.				<=	2 MO AVG	<=	4 DAILY MX	19 - mg/L ⁰	01/BA - Once Per Batch 24 - COMP24
				Value NODI									
				Sample				<	0.0015	<	0.0015	19 - mg/L	01/BA - Once Per Batch GR - GRAB
01128 Vanadium, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	i <=	.014 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI									
				Sample				=	0.013	=	0.016	19 - mg/L	02/BA - Twice Per Batch 24 - COMP24
34726 Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0		Permit Req.				<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COMP24
				Value NODI									
		0		Sample =	0.248 =	0.378	03 - MGD						02/BA - Twice Per Batch CN - CONTIN
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross			Permit Req.	Req Mon MO AVG	Req Mon DAI	LY MX 03 - MGD					0	02/BA - Twice Per Batch CN - CONTIN
				Value NODI									
				Sample				=	0.03	=	0.03	19 - mg/L	01/BA - Once Per Batch GR - GRAB
50060 Chlorine, total residual	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	i <=	.1 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI									
		0		Sample				=	733	-	734	19 - mg/L	02/BA - Twice Per Batch GR - GRAB
70295 Solids, total dissolved	1 - Effluent Gross			Permit Req.					Req Mon MO AVG	i	Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch GR - GRAB
				Value NODI									
				Sample				=	2.7	=	2.7	3M - ng/L	01/BA - Once Per Batch GR - GRAB
71900 Mercury, total [as Hg]	1 - Effluent Gross	0		Permit Req.				<=	50 MO AVG		Req Mon DAILY MX	3M - ng/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI									
				Sample				=	0.013	=	0.013	19 - mg/L	01/BA - Once Per Batch GR - GRAB
81646 Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0		Permit Req.					Req Mon MO AVG	i <=	.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

Please note that the average results reported for Ultimate Oxygen Demand; BOD; Settleable Solids; Nitrite (as N) and Nitrate (as N) were flagged "R" unreliable during the data validation process due to sample holding time failures encountered with our contract laboratory. This issue is being tracked and addressed by a CHBWV Supplier Noncompliance Report (SNR).

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: 2019-06-18 13:43 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbwv.com

Name: Janice Williams

E-Mail: janice.williams@chbwv.com

Date/Time: 2019-06-19 13:46 (Time Zone: -04:00)

Permit

NY0000973 Permit #:

U.S. DEPT OF ENERGY Permittee:

Major: Yes **Permittee Address:**

Facility: WEST VALLEY DEMONSTRATION PROJ

1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585

Facility Location: 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

007 Discharge: **Permitted Feature:**

External Outfall

007-M

SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

Report Dates & Status

Monitoring Period: From 05/01/19 to 05/31/19

Bower

DMR Due Date: 06/28/19

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name: Bryan C Title: Director, USDOE-WVDP Telephone: 716-942-4368

Status:

No Data Indicator (NODI)

Form NODI:

Last Name:

Parameter	Monitoring Location	ii Season	# Param. NODI				luantity or Loa						uality or Concentr				# of Ex. Frequency of Analysis	s sample Ty
Code Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
				Sample														
00181 Oxygen demand, ultimate	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	22 DAILY MX	19 - mg/L	01/30 - Monthly	CA - CALC
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0300 Oxygen, dissolved [DO]	1 - Effluent Gross	0		Permit Reg.						>=	3 MINIMUM				Reg Mon MAXIMUM	19 - ma/L	02/30 - Twice Per Month	GR - GRAE
, g, [2 2]		-		Value NODI							C - No Discharge	,			C - No Discharge			
				Sample							C 140 Bloomarge	′			o ito bioonargo			
0310 BOD E doy 30 dog C	1 - Effluent Gross	0		Permit Req.									Reg Mon MO AVG		10 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 COMP
0310 BOD, 5-day, 20 deg. C	I - Elliuelli Gioss	U														19 - IIIg/L	02/30 - Twice Per Moriti	1 24 - COMP
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0400 pH	1 - Effluent Gross	0		Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	02/30 - Twice Per Month	GR - GRAE
				Value NODI							C - No Discharge	•			C - No Discharge			
				Sample														
0530 Solids, total suspended	1 - Effluent Gross	0		Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0545 Solids, settleable	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		.3 DAILY MX	25 - mL/L	02/30 - Twice Per Month	GP - GPAE
0343 Golids, Settleable	1 - Lilidelit Gloss	U														25 - IIIL/L	02/30 - Twice i ei Moriti	I OIX - OIXAL
				Value NODI									C - No Discharge		C - No Discharge			
00556 Oil & Grease 1 -				Sample														
	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		15 DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAE
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0615 Nitrogen, nitrite total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0625 Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - ma/l	01/30 - Monthly	24 - COMP
oozo (mogon, ryoidam, total [do ry]	1 Lindon Grood			Value NODI									C - No Discharge		C - No Discharge	10 mg/L	0 1/00 Michally	21 001111
													C - NO Discharge		C - NO Discharge			
				Sample														
1045 Iron, total [as Fe]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	〈 19 - mg/L	02/30 - Twice Per Month	1 24 - COMP
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
4726 Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0		Permit Req.								<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0050 Flow, in conduit or thru treatment pl	ant 1 - Effluent Gross	0		Permit Req.		Reg Mon MO A	/G	Req Mon DAILY MX	03 - MGD								01/30 - Monthly	CN - CONT
,				Value NODI		C - No Discharg		C - No Discharge										
				Sample		0 110 Dioonang		5 110 2100 na. go										
0000 Chloring total regidual	1 Fffluent Cross	0											Dog Man MO AVO		.1 DAILY MX	10/1	04/20 Monthly	CD CDAD
0060 Chlorine, total residual	1 - Effluent Gross	U		Permit Req.									Req Mon MO AVG			19 - mg/L	01/30 - Monthly	GR - GRAE
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
0295 Solids, total dissolved	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAE
				Value NODI									C - No Discharge		C - No Discharge			
				Sample														
1900 Mercury, total [as Hg]	1 - Effluent Gross	0		Permit Req.									Reg Mon MO AVG	<=	50 DAILY MX	3M - ng/L	01/30 - Monthly	GR - GRAE
1000 Mercury, total [as rig]																J =		

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.

Comments

Edit Check Errors

No errors.

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: 2019-06-18 13:57 (Time Zone: -04:00)

Report Last Signed By

User: janice.williams@chbwv.com

Janice Williams Name:

E-Mail: janice.williams@chbwv.com

2019-06-19 13:46 (Time Zone: -04:00) Date/Time:

Permit Permittee: U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Facility Location: Permittee Address: 1000 INDEPENDENCE AVE SW 10282 ROCK SPRINGS ROAD Major: Yes WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 Discharge: **Permitted Feature:** 01B 01B-M Internal Outfall MERCURY PRETREATMENT Report Dates & Status **DMR Due Date:** Status: **Monitoring Period:** From 05/01/19 to 05/31/19 06/28/19 **NetDMR Validated Considerations for Form Completion** Principal Executive Officer Title: Telephone: First Name: Bryan C Director, USDOE-WVDP 716-942-4368 Last Name: Bower No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI # of Ex. Frequency of Analysis Sample Type Parameter Quantity or Loading **Quality or Concentration** Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Code Name Sample Req Mon MO AVG 00056 Flow rate Permit Reg. Req Mon DAILY MX 07 - gal/d CN - CONTIN 1 - Effluent Gross 01/07 - Weekly Value NODI C - No Discharge C - No Discharge Sample 71900 Mercury, total [as Hg] 1 - Effluent Gross 0 Permit Req. Req Mon MO AVG <= 02/BA - Twice Per Batch GR - GRAB 50 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: william.kean@chbwv.com William Kean Name: E-Mail: william.kean@chbwv.com Date/Time: 2019-06-18 13:58 (Time Zone: -04:00) Report Last Signed By User: janice.williams@chbwv.com Name: Janice Williams E-Mail: janice.williams@chbwv.com 2019-06-19 13:46 (Time Zone: -04:00) Date/Time:

Permit Facility: U.S. DEPT OF ENERGY WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Permittee: Major: Yes **Permittee Address:** 1000 INDEPENDENCE AVE SW **Facility Location:** 10282 ROCK SPRINGS ROAD WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 116 Discharge: 116-M **Permitted Feature:** Internal Outfall PSEUDO MON. POINT @FRANKS CRK Report Dates & Status DMR Due Date: **Monitoring Period:** From 05/01/19 to 05/31/19 06/28/19 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** Title: First Name: Bryan C 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 Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Name Value 2 Qualifier 3 Value 3 Units 02/DS - Twice Per Discharge CA - CALCTD Sample 307 300 19 - mg/L 70295 Solids, total dissolved Z - Instream Monitoring 0 500 DAILY MX 19 - mg/L 0 02/DS - Twice Per Discharge CA - CALCTD Permit Req. Reg Mon MO AVG <= 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** Name Type Size WVDP_May_2019_TDS_Calulation.pdf pdf 276785 Report Last Saved By **U.S. DEPT OF ENERGY** william.kean@chbwv.com User: Name: William Kean E-Mail: william.kean@chbwv.com 2019-06-18 13:59 (Time Zone: -04:00) Date/Time: Report Last Signed By User: janice.williams@chbwv.com Janice Williams Name: E-Mail: janice.williams@chbwv.com Date/Time: 2019-06-19 13:46 (Time Zone: -04:00)

Permit																				
Permit #:	NY000097	73		Perm	ittee:		U.S	S. DEP	T OF ENEI	RGY		Facility:		WEST \	/ALLEY [DEMO	NSTRATION PROJ			
Major:	Yes	Yes							EPENDEN STON, DC	-	SW	Facility Lo					82 ROCK SPRINGS ROAD ST VALLEY, NY 14171-9799			
Permitted Feature:	re: SUM Internal Outfall				Discharge:				OUTFALLS	31&7										
Report Dates & Statu	ıs			,																
Monitoring Period:	From 05/0)1/19 to (05/31/19	DMR	Due Date	e:	06/	28/19				Status:		NetDMF	R Validat	ed				
Considerations for F	orm Completic	on		·																
Principal Executive C	Officer																			
First Name:	Bryan C			Title:			Dire	ector, L	JSDOE-W	/DP		Telephone	:	716-942	2-4368					
Last Name:	Bower											•								
No Data Indicator (NO	ODI)			•																
Form NODI:																				
	onitoring Location	Season #	Param. NODI				or Loadin					Quality or Concen				# of Ex.	Frequency of Analysis	Sample Type		
Code Name				Sample	Qualifier 1	Value 1 C	Qualifier 2	Value 2	Units Qualif	ier 1 Value	1 Qualifier 2	2 Value 2 0.086	Qualifier 3	3 Value 3 0.086	Units 19 - mg/L		01/30 - Monthly	CA - CALCTD		
01045 Iron, total [as Fe] 2 -	Effluent Net	0		Permit Req. Value NODI								Req Mon MO AVO		1 DAILY MX	_		01/30 - Monthly	CA - CALCTD		
Submission Note				value NODI																
If a parameter row doe	es not contain a	nv values	s for the Sam	ple nor Effl	uent Tradi	lina. ther	none of	f the fo	llowing field	ds will be	submitted	for that row: Un	its. Numbe	er of Excursi	ions. Fred	guency	of Analysis, and Sa	mple Type.		
Edit Check Errors				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									, , , , , , , , , , , , , , , , , , , ,		, , , , , ,	,,	,,,			
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