

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:2020:0640
July 20, 2020

ATTENTION: Moira N. Maloney

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period June 1 through June 30, 2020, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2020 through June 30, 2020

REFERENCE: 1) Letter WR:2013:0033, John Rendall to Mark Jackson, "Notification of Changes to the West Valley Demonstration Project (WVDP) Wastewater Generation Activities in Accordance with 6 NYCRR 750-2.6(c); State Pollutant Discharge Elimination System (SPDES) Permit No. NY-0000973, U.S. Department of Energy (DOE), West Valley Demonstration Project (WVDP)," dated August 13, 2013

Dear Ms. Cooney:

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period June 1 through June 30, 2020 including the Net Iron calculation sheet has been submitted electronically. A copy of this submittal is attached as well as a copy of the email confirmation from the New York State Department of Environmental Conservation (NYSDEC).

Also attached are the results of the storm water monitoring for the period of January 1, 2020 through June 30, 2020.

If you have any questions, please contact William Kean at (716) 942-4865 or David Klenk at (716) 942-2913.

Sincerely,

Approval Obtained Electronically

John D. Rendall
President & General Manager

JDR:WKN:bnj

Attachments: A) SPDES DMR for June 1 through June 30, 2020 Monitoring Period
B) Storm Water Discharge Monitoring Results for January 1 through June 30, 2020 Monitoring Period
C) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP
J. Forti, DOE-WVDP
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
D. P. Klenk, CHBWV
L. J. Ortega, CHBWV
J. T. Pillittere, CHBWV (Public Reading Room)
T. Stapleton, CHBWV
K. A. Wooley, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #1930150

Attachment A

SPDES DMR for June 1 – June 30, 2020

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period June 1 through June 30, 2020, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2020 through June 30, 2020

The SPDES DMR for the June 1 through June 30, 2020 Monitoring Period is provided as Attachment A. There was no discharge at outfall 001, 007, 116, Sum N or internal outfall 01B during the monitoring period of June 1, 2020 through June 30, 2020.

In addition to reporting the semi-annual and annual outfall 001 analytical results for Outfalls 001-S and 001-V, CHBWV is also submitting, for your use the analytical results and data for the semi-annual storm water monitoring period of January 1, 2020 through June 30, 2020 as Attachment B.

All storm water sampling results were within applicable limits specified on page 14 of 31 of the SPDES permit for oil & grease.

Storm water samples were collected on May 11 and June 22, 2020. The on-site pH measured near the site's rain gauge on each of these dates was: 7.3 SU and 5.3 SU, respectively.

Storm water outfalls S06; S14; S39; S27, and S43 (Lead only) were not sampled prior to the end of the monitoring period. Work force restrictions onsite due to COVID-19 protocols and the infrequent storm events during this monitoring period combined for a difficult sampling period. These outfalls will be collected at the next storm event and reported with the second semi-annual monitoring period results in the December 2020 discharge monitoring report.

SPDES DISCHARGE MONITORING REPORT - JUNE 1 THROUGH JUNE 30, 2020
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\text{OUTFALL 001} = M1 = \frac{(X1 + X2) V1}{2} = 0.00 \text{ mg/month}$$

$$X1 = 0.000 \text{ mg/L}$$

$$X2 = 0.000 \text{ mg/L}$$

$$V1 = 0.000 \text{ L/month}$$

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

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

$$X1 = 0.000 \text{ mg/L}$$

$$X2 = 0.000 \text{ mg/L}$$

$$V7 = 0.00 \text{ L/month}$$

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

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

$$X1 = 0.000 \text{ mg/L}$$

$$X2 = 0.000 \text{ mg/L}$$

$$X3 = 0.000 \text{ mg/L}$$

$$X4 = 0.000 \text{ mg/L}$$

$$\text{VRW} = 0.00 \text{ L/month}$$

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

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

001-M
OUTFALL 001 MONTHLY PROC WW, GW, STORM

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 06/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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			
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	CA - CALCTD
					Permit Req.									Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	GR - GRAB
					Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L			
					Value NODI							C - No Discharge				C - No Discharge				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00400	pH	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU			
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L			
					Value NODI									C - No Discharge		C - No Discharge				
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Permitted Feature:

001
External Outfall

Discharge:

001-S
OUTFALL 001 SEMI-ANNUAL

Report Dates & Status

Monitoring Period:

From 01/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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			
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample								<	0.002	<	0.002	19 - mg/L	0	02/YR - Twice Per Year	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L			
					Value NODI															
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample								=	0.043	=	0.043	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	2.0 DAILY MX	19 - mg/L			
					Value NODI															
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample								=	0.0024	=	0.0024	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.079 DAILY MX	19 - mg/L			
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.011	=	0.011	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.13 DAILY MX	19 - mg/L			
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.0005	<	0.0005	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.006 DAILY MX	19 - mg/L			
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.0011	=	0.0011	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.11 DAILY MX	19 - mg/L			
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								=	0.0014	=	0.0014	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L			
					Value NODI															
39410	Heptachlor	1 - Effluent Gross	0	--	Sample								<	0.007	<	0.007	28 - ug/L	0	02/YR - Twice Per Year	GR - GRAB
					Permit Req.								<=	0.01 MO AVG		Req Mon DAILY MX	28 - ug/L			
					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 750-2.5(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, 6NYCRR Part 750-2.5(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL's for Settleable Solids and total Residual Chlorine analyses performed by the CHBWV wastewater treatment facility, are 0.1 ml/L and 0.01 mg/L respectively.

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbwv.com

Name:

William Kean

E-Mail:	william.kean@chbvw.com
Date/Time:	2020-07-15 16:35 (Time Zone: -04:00)
<i>Report Last Signed By</i>	
User:	KAWOOLEY29
Name:	Kelly Wooley
E-Mail:	kelly.wooley@chbvw.com
Date/Time:	2020-07-16 14:16 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0000973
Yes

Permittee:
Permittee Address:

U.S. DEPT OF ENERGY
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:
Facility Location:

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

Permitted Feature:

001
External Outfall

Discharge:

001-V
OUTFALL 001 ACTION LEVELS SEMI-ANNUAL

Report Dates & Status

Monitoring Period:
From 01/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

First Name:
Last Name:

Bryan C.
Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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			
01022	Boron, total [as B]	V - See Comments	0	--	Sample										=	0.039	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.										<=	2.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01152	Titanium, total [as Ti]	V - See Comments	0	--	Sample										<	0.001	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.										<=	0.65 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
71870	Bromide [as Br]	V - See Comments	0	--	Sample										=	0.068	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.										<=	5.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					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 750-2.5(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, 6NYCRR Part 750-2.5(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL's for Settleable Solids and total Residual Chlorine analyses performed by the CHBWV wastewater treatment facility, are 0.1 ml/L and 0.01 mg/L respectively.

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:
Name:
E-Mail:
Date/Time:

william.kean@chbvv.com
William Kean
william.kean@chbvv.com
2020-07-15 16:35 (Time Zone: -04:00)

Report Last Signed By

U.S. DEPT OF ENERGY

User:
Name:
E-Mail:
Date/Time:

KAWOOLEY29
Kelly Wooley
kelly.wooley@chbvv.com
2020-07-16 14:16 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:
Major:

NY0000973
Yes

Permittee:
Permittee Address:

U.S. DEPT OF ENERGY
1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:
Facility Location:

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

Permitted Feature:

007
External Outfall

Discharge:

007-M
SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

Report Dates & Status

Monitoring Period:
From 06/01/20 to 06/30/20

DMR Due Date:
07/28/20

Status:
NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Bryan C.
Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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

70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
														C - No Discharge		C - No Discharge				
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample Permit Req. Value NODI									Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		01/30 - Monthly	GR - GRAB
														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																				
Name: William Kean																				
E-Mail: william.kean@chbwv.com																				
Date/Time: 2020-07-15 16:36 (Time Zone: -04:00)																				
Report Last Signed By																				
User: KAWOOLEY29																				
Name: Kelly Wooley																				
E-Mail: kelly.wooley@chbwv.com																				
Date/Time: 2020-07-16 14:16 (Time Zone: -04:00)																				

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

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 06/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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			
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:

william.kean@chbwv.com

Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2020-07-15 16:36 (Time Zone: -04:00)

Report Last Signed By

User:

KAWOOLEY29

Name:

Kelly Wooley

E-Mail:

kelly.wooley@chbwv.com

Date/Time:

2020-07-16 14:16 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

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 06/01/20 to 06/30/20

DMR Due Date:

07/28/20

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.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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

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:

2020-07-15 16:36 (Time Zone: -04:00)

Report Last Signed By

User:

KAWOOLEY29

Name:

Kelly Wooley

E-Mail:

kelly.wooley@chbvv.com

Date/Time:

2020-07-16 14:16 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

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 06/01/20 to 06/30/20

DMR Due Date:

07/28/20

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

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 Permit Req.								Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					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

Name	Type	Size
WVDP_June_2020_Net_Iron_Calculation.pdf	pdf	332754.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbww.com

Name:

William Kean

E-Mail:

william.kean@chbww.com

Date/Time:

2020-07-15 16:36 (Time Zone: -04:00)

Report Last Signed By

User:

KAWOOLEY29

Name:

Kelly Wooley

E-Mail:

kelly.wooley@chbww.com

Date/Time:

2020-07-16 14:16 (Time Zone: -04:00)

Attachment B

**Storm Water Discharge Monitoring Results for
January 1, 2020 through June 30, 2020
Monitoring Period**

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 1, OUTFALL S04
Monitoring Period: January 1 through June 30, 2020**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.8 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	< 1.3	N.R.	15 mg/L
	BOD-5	9.2	< 2.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	160	220	
	Total Dissolved Solids (TDS)	820	980	
	Phosphorus, Total	1.6	0.16	
Group B Parameters	Aluminum	20	7.7	
	Iron	71	10	
	Copper, Total Recoverable (TR)	0.048	0.014	
	Lead (TR)	0.052	0.016	
	Zinc (TR)	0.38	0.096	
Group C Parameters	Total Nitrogen (as N)	7.4	1.8	
	TKN	7.0	1.5	
	Nitrate Nitrogen (as N)	0.32	0.22	
	Nitrite Nitrogen (as N)	0.032	0.035	
	Ammonia Nitrogen (as NH3)	0.094	0.095	
	Cadmium, TR	0.0013	0.00017	
	Chromium, TR	0.026	0.0097	
	Hexavalent Chromium, TR	0.0059	< 0.0050	
	Selenium, TR	0.0059	0.00080	
	Vanadium, TR	0.038	0.016	
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	260,000	
	Maximum Flow rate, gallons per minute	2,800	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/11/20	05/11/20	
	Duration of storm event, in minutes	N.R.	805	Rain started at 0715 EDT on 5/11/20 and ended at 2045 EDT on 5/11/20.
	Date and Time of sample collection	05/11/20 0820	05/11/20 1100	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.39	An additional 0.11 inches was recorded after sampling was completed for a storm event total of 0.50 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	250	Precipitation of 0.42 inches was recorded on 4/30/20 at 2130 EDT. Outfall was at base flow upon arrival.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 3, OUTFALL S09
Monitoring Period: January 1 through June 30, 2020

Parameter Group	Parameter	Results in mg/L, Mercury, total in ng/L via method 1631		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	8.0 S.U.	N.R.	Not specified in permit.
	Oil and Grease	1.7	N.R.	15 mg/L
	BOD-5	29	14	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	1100	520	
	Total Dissolved Solids (TDS)	1300	840	
	Phosphorus, Total	2.2	0.85	
Group B Parameters	Aluminum	29	11	
	Iron	53	16	
	Copper, Total Recoverable (TR)	0.10	0.029	
	Lead (TR)	0.14	0.048	
	Zinc (TR)	0.86	0.24	
Group C Parameters	Total Nitrogen (as N)	8.0	0.86	
	TKN	7.2	2.2	
	Nitrate Nitrogen (as N)	0.78	0.96	
	Nitrite Nitrogen (as N)	0.047	0.032	
	Ammonia Nitrogen (as NH3)	0.70	0.79	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	< 0.000013	< 0.000013	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Mercury, Total (ng/L)	27	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	137,000	
	Maximum Flow rate, gallons per minute	3,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/22/20	6/22/20	
	Duration of storm event, in minutes	N.R.	285	Rain started at 1345 EDT on 6/22/20 and ended at 1830 EDT on 6/22/20.
	Date and Time of sample collection	6/22/20 1400	6/22/20 1640	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.66	An additional 0.31 inches was recorded after sampling was completed for a storm event total of 0.97 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	277	Precipitation of 0.25 inches was recorded on 6/11/20 at 0030 EDT. No flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 4, OUTFALL S34
Monitoring Period: January 1 through June 30, 2020**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	8.0 S.U.	N.R.	Not specified in permit.
	Oil and Grease	1.6 / 3.6	N.R.	15 mg/L
	BOD-5	< 2.0 / <2.0	< 2.0	Not specified in permit. N.R. = Nor Required.
	Total Suspended Solids (TSS)	150 / 36	79	
	Total Dissolved Solids (TDS)	640 / 590	330	
	Phosphorus, Total	0.45 / 0.45	0.13	
Group B Parameters	Aluminum	7.9 / 7.6	3.5	
	Iron	11 / 11	3.7	
	Copper, Total Recoverable (TR)	0.014 / 0.015	0.006	
	Lead (TR)	0.018 / 0.020	0.0082	
	Zinc (TR)	0.14 / 0.16	0.057	
Group C Parameters	Total Nitrogen (as N)	N.R.	N.R.	
	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.069 / 0.049	0.089	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	52,000	
	Maximum Flow rate, gallons per minute	370	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/11/20	5/11/20	
	Duration of storm event, in minutes	N.R.	805	Rain started at 0715 EDT on 5/11/20 and ended at 2045 EDT on 5/11/20.
	Date and Time of sample collection	5/11/20 0815	5/11/20 1100	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.39	An additional 0.11 inches was recorded after sampling was completed for a storm total of 0.50 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	250	Precipitation of 0.42 inches was recorded on 4/30/20 at 2130 EDT. Outfall was at base flow conditions.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 7, OUTFALL S20
Monitoring Period: January 1 through June 30, 2020

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	10 S.U.	N.R.	Not specified in permit.
	Oil and Grease	< 1.4	N.R.	15 mg/L
	BOD-5	21	7.9	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	110	50	
	Total Dissolved Solids (TDS)	340	210	
	Phosphorus, Total	0.30	0.14	
Group B Parameters	Aluminum	4.8	2.5	
	Iron	5.0	2.4	
	Copper, Total Recoverable (TR)	0.016	0.0076	
	Lead (TR)	0.0038	0.0024	
	Zinc (TR)	0.080	0.036	
Group C Parameters	Total Nitrogen (as N)	< 4.1	2.2	
	TKN	3.4	1.6	
	Nitrate Nitrogen (as N)	0.69	0.53	
	Nitrite Nitrogen (as N)	< 0.020	0.023	
	Ammonia Nitrogen (as NH3)	1.4	1.1	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.069	0.021	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	< 0.033	< 0.033	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	310,000	
	Maximum Flow rate, gallons per minute	4,500	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/22/20	6/22/20	
	Duration of storm event, in minutes	N.R.	285	Rain started at 1345 EDT on 6/22/20 and ended at 1830 EDT on 6/22/20.
	Date and Time of sample collection	6/22/20 1350	6/22/20 1640	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.66	An additional 0.31 inches was recorded after sampling was completed for a storm event total of 0.97 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	277	Precipitation of 0.25 inches was recorded on 6/11/20 at 0030 EDT. No flow at outfall upon arrival.

Attachment C

Email Confirmation from NYSDEC

From: netdmr-notification@epa.gov
To: ewwohlers@cattco.org; [Moirá Maloney](#); R9.NetDMR@dec.ny.gov; [William Kean](#); [Bonnie Jeffery](#); [Michael Pendl](#); [Janice Williams](#); [Joseph Forti](#); [Kelly Wooley](#)
Subject: NetDMR DMR(s) Submittal Passed for: NY0000973
Date: Thursday, July 16, 2020 3:32:47 PM

The following signed 7 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _be211b98-0dc9-4769-8995-e3cb21699fe3
User ID: KAWOOLEY29
Timestamp: 07/16/2020 14:16:44

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: 06/30/20

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 001
Discharge: S - OUTFALL 001 SEMI-ANNUAL
Monitoring Period End Date: 06/30/20

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 001
Discharge: V - OUTFALL 001 ACTION LEVELS SEMI-ANNUAL
Monitoring Period End Date: 06/30/20

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: 06/30/20

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 06/30/20

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK
Monitoring Period End Date: 06/30/20

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: SUM
Discharge: N - SUM OF OUTFALLS 1 & 7
Monitoring Period End Date: 06/30/20

Thank you.

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