

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:2019:0561
July 18, 2019

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, 2019, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2019 through June 30, 2019

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, 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).

Also attached are the results of the storm water monitoring for the period of January 1, 2019 through June 30, 2019.

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

SAA:WNK:bnj

Attachments: A) SPDES DMR for June 1 – June 30, 2019
B) Storm Water Monitoring Results for January 1, 2019 through June 30, 2019
C) 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. Rendall, CHBWV
J. E. Wangelin, CHBWV
J. D. Williams, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #1830341

Attachment A

SPDES DMR

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period June 1 through June 30, 2019. SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2019 through June 30, 2019

Please note that there was no discharge at outfall 001, 007, 116, Sum N or internal outfall 01B for the monitoring period of June 1, 2019 through June 30, 2019.

In addition to reporting the semi-annual outfall 001 analytical results, CHBWV is also submitting, for your use the analytical results and data for the semi-annual storm water monitoring period of January 1, 2019 through June 30, 2019 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 7, May 13, May 29, and June 20, 2019. The on-site pH measured near the site's rain gauge on each of these dates was: 7.7 SU; 7.0 SU; 6.9 SU; and 7.9 SU, respectively.

In addition, semi-annual lead sampling was completed on June 20, 2019 at storm water outfall S43 located at the Live Fire Range with reported results of 0.0053 mg/L with an action level of 0.006 mg/L.

Storm water sampling that was conducted on May 13, 2019 at outfalls S04, S09, and S27 was completed although the duration between storm events was less than the 72 hours as normally required; however, although rainfall was first recorded at 0315 hours (65 hours) a tenth of an inch (0.10") was not recorded until 1000 hours (72) hours; in addition flow at the outfalls had returned to normal base flow conditions (S04 & S09) or had no flow prior to the storm event sampled (S27).

Storm water sampling that was conducted on May 29, 2019 at outfall S34 was completed although the duration between storm events was less than the 72 hours (21) as normally required; however, flow at the outfall had returned to base flow prior to the storm event sampled.

Our contract laboratory reported that the Surfactant sample collected at outfall S06 on June 20, 2019 could not be analyzed as the instrument was taken out of service due to issues with the standards used in the calibration of the instrument. As these samples are radiologically contaminated another laboratory certified in New York State could not be located and therefore this parameter was reported as "Not Measured."

The surfactant samples (first flush grabs and composites) collected at outfalls S28 and S38 on June 20, 2019 were flagged "R" unreliable during the data validation process due to missed holding times and/or spike recovery failures.

The sulfide first flush grab sample at outfall S28F for sulfide was flagged "R" unreliable during the data validation process due to a spike recovery failure.

The surfactants first flush grab sample at outfall S27 was flagged "R" unreliable during the data validation process due to a matrix spike failure.

Please note that, in accordance with the Schedule of Compliance sampling requirements contained on page 23 of 31 for Paraquat Dichloride Herbicide (Gramoxone Extra), the site has used herbicides along portions of the railroad spur located onsite during this storm water monitoring period of January 1 through June 30, 2019, however the spraying took place at the end of June 2019 and therefore, storm water outfalls that could possibly be effected will be sampled for Paraquat Dichloride during the second semi-annual monitoring period.

ATTACHMENT

SPDES DISCHARGE MONITORING REPORT - JUNE 1 THROUGH JUNE 30, 2019
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\text{OUTFALL 001} = M1 = \frac{(X1 + X2) V1}{2} = 0 \text{ mg/month}$$

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

$$V1 = 0.00 \text{ L/month}$$

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

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

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

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

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

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

$$X1 = 0.00 \text{ mg/L}$$

$$X2 = 0.00 \text{ mg/L}$$

$$X3 = 0.00 \text{ mg/L}$$

$$X4 = 0.00 \text{ mg/L}$$

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

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.

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

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-M
OUTFALL 001 MONTHLY PROC WW, GW, STORM

Report Dates & Status

Monitoring Period:

From 06/01/19 to 06/30/19

DMR Due Date:

07/28/19

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										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI										C - No Discharge		C - No Discharge					
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample										Req Mon MO AVG	<=	22 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	CA - CALCTD	
					Permit Req. Value NODI										C - No Discharge		C - No Discharge					
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample													Req Mon MAXIMUM	19 - mg/L		02/BA - Twice Per Batch	GR - GRAB
					Permit Req. Value NODI					>=	3 MINIMUM							C - No Discharge				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample										Req Mon MO AVG	<=	10 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - COMP24	
					Permit Req. Value NODI										C - No Discharge		C - No Discharge					
00400	pH	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	GR - GRAB
					Permit Req. Value NODI					>=	6.5 MINIMUM				<=	8.5 MAXIMUM	12 - SU					
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample																02/BA - Twice Per Batch	24 - COMP24
					Permit Req. Value NODI								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L					
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample																02/BA - Twice Per Batch	GR - GRAB
					Permit Req. Value NODI										Req Mon MO AVG	<=	.3 DAILY MX	25 - mL/L				
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	GR - GRAB
					Permit Req. 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. Value NODI										Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L				
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	24 - COMP24
					Permit Req. Value NODI										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample																02/BA - Twice Per Batch	24 - COMP24
					Permit Req. Value NODI										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	24 - COMP24
					Permit Req. Value NODI										Req Mon MO AVG	<=	.4 DAILY MX	19 - mg/L				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	24 - COMP24
					Permit Req. Value NODI										Req Mon MO AVG	<=	.15 DAILY MX	19 - mg/L				
00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	GR - GRAB
					Permit Req. Value NODI										Req Mon MO AVG	<=	.005 DAILY MX	19 - mg/L				
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample																01/BA - Once Per Batch	GR - GRAB
					Permit Req. Value NODI										Req Mon MO AVG	<=	.004 DAILY MX	19 - mg/L				
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample																02/BA - Twice Per Batch	24 - COMP24
					Permit Req. Value NODI										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				

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 01/01/19 to 06/30/19

DMR Due Date:

07/28/19

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:

--

Code	Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
	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							<	0.005	<	0.005	19 - mg/L		02/YR - Twice Per Year	GR - GRAB	
					Permit Req.									Req Mon MO AVG	<=	.005 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	GR - GRAB
					Value NODI															
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample							=	0.014	=	0.014	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	2 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample							=	0.0017	=	0.0017	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	.079 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.0026	<	0.0026	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	.13 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.00017	<	0.00017	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	.006 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.00036	<	0.00036	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	.11 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.00022	<	0.00022	19 - mg/L		02/YR - Twice Per Year	24 - COMP24	
					Permit Req.									Req Mon MO AVG	<=	.014 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI															
39410	Heptachlor	1 - Effluent Gross	0	--	Sample							<	0.0063	<	0.0063	28 - ug/L		02/YR - Twice Per Year	GR - GRAB	
					Permit Req.							<=	.01 MO AVG		Req Mon DAILY MX	28 - ug/L	0	02/YR - Twice Per Year	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 750-2.5(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@chbvw.com

Name:

William Kean

E-Mail:

william.kean@chbvw.com

Date/Time:

2019-07-17 09:35 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbvw.com



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-V
OUTFALL 001 ACTION LEVELS SEMI-ANNUAL

Report Dates & Status

Monitoring Period:

From 01/01/19 to 06/30/19

DMR Due Date:

07/28/19

Status:

NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

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

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Comments

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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:

2019-07-17 09:35 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-07-17 13:56 (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:

007
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 06/01/19 to 06/30/19

DMR Due Date:

07/28/19

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			
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req.								Req Mon MO AVG	<=	22 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 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 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 MO AVG	<=	45 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	<=	.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 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	<=	.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	<=	.1 DAILY MX	19 - mg/L				
					Value NODI								C - No Discharge		C - No Discharge					
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req.								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI								C - No Discharge		C - No Discharge					
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req.								Req Mon MO AVG	<=	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@chbww.com

Name:

William Kean

E-Mail:

william.kean@chbww.com

Date/Time:

2019-07-17 09:35 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbww.com

Name:

Janice Williams

E-Mail:

janice.williams@chbww.com

Date/Time:

2019-07-17 13:56 (Time Zone: -04:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

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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 06/01/19 to 06/30/19

DMR Due Date:

07/28/19

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 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:

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Name:

William Kean

E-Mail:

william.kean@chbwv.com

Date/Time:

2019-07-17 09:35 (Time Zone: -04:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-07-17 13:56 (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 06/01/19 to 06/30/19

DMR Due Date:

07/28/19

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

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			
70295	Solids, total dissolved	Z - Instream Monitoring	0	--	Sample														
					Permit Req.									Req Mon MO AVG <=	500 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	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

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Name:

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2019-07-17 09:35 (Time Zone: -04:00)

Report Last Signed By

User:

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Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-07-17 13:56 (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 06/01/19 to 06/30/19

DMR Due Date:

07/28/19

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 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_2019_Net_Iron_Calculation.pdf	pdf	275936

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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William Kean

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Date/Time:

2019-07-17 09:36 (Time Zone: -04:00)

Report Last Signed By

User:

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Name:

Janice Williams

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janice.williams@chbwv.com

Date/Time:

2019-07-17 13:56 (Time Zone: -04:00)

Attachment B

**Storm Water Discharge Monitoring Results for
January 1, 2019 through June 30, 2019
Monitoring Period**

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 1, OUTFALL S04**

Monitoring Period: January 1 through June 30, 2019

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.6 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	2.7	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	35	59	
	Total Dissolved Solids (TDS)	530	340	
	Phosphorus, Total	0.028	0.11	
Group B Parameters	Aluminum	0.82	2.8	
	Iron	0.95	2.9	
	Copper, Total Recoverable (TR)	0.0018	0.0046	
	Lead (TR)	0.0022	0.0033	
	Zinc (TR)	0.0087	0.024	
Group C Parameters	Total Nitrogen (as N)	< 0.19	< 0.24	
	TKN	< 0.15	< 0.15	
	Nitrate Nitrogen (as N)	< 0.020	0.072	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	< 0.0090	< 0.0090	
	Cadmium, TR	< 0.000071	< 0.000071	
	Chromium, TR	0.00096	0.0035	
	Hexavalent Chromium, TR	0.0050	0.024	
	Selenium, TR	< 0.00044	< 0.00044	
	Vanadium, TR	0.0018	0.0059	
	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.	650,000	
	Maximum Flow rate, gallons per minute	6,100	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/13/19	5/13/19	
	Duration of storm event, in minutes	N.R.	1,260	Rain started at 0315 EDT on 5/13/19 and ended at 0015 EDT on 5/14/19.
	Date and Time of sample collection	5/13/19 1015	5/13/19 1255	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.32	An additional 0.12 inches was recorded after sampling was completed for a storm event total of 0.44 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	65	Precipitation of 0.64 inches was recorded on 5/10/19 at 1015 EDT. No flow above base flow upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 2, OUTFALL S06**

Monitoring Period: January 1 through June 30, 2019

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.4 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	< 1.4	N.R.	15 mg/L
	BOD-5	17	7.5	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	66	22	
	Total Dissolved Solids (TDS)	400	140	*Please see synopsis regarding this outfall. Sample was not measured.
	Phosphorus, Total	0.16	0.12	
Group B Parameters	Aluminum	0.79	0.49	
	Iron	5.0	2.7	
	Copper, Total Recoverable (TR)	0.0053	0.0038	
	Lead (TR)	0.0030	0.0018	
	Zinc (TR)	0.041	0.022	
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)	0.00 *	0.00 *	
	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.	190,000	
	Maximum Flow rate, gallons per minute	2,800	N.R.	
	Method of flow measurement	ISCO Flow Meter		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	06/20/19	06/20/19	
	Duration of storm event, in minutes	N.R.	1,140	Rain started at 0600 EDT on 6/20/19 and ended at 0100 EDT on 6/21/19.
	Date and Time of sample collection	06/20/19 0655	06/20/19 0940	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	1.65	An addition 0.62 inches was recorded after sampling was complete for a storm event total of 2.27 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	86	Precipitation of 0.51 inches was recorded on 6/16/19 at 1630 EDT. Outfall was at base flow conditions.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 3, OUTFALL S09
Monitoring Period: January 1 through June 30, 2019

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	7.8 S.U.	N.R.	Not specified in permit.
	Oil and Grease	3.2	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	81	330	
	Total Dissolved Solids (TDS)	480	160	
	Phosphorus, Total	0.11	0.52	
Group B Parameters	Aluminum	5.1	11	
	Iron	6.8	14	
	Copper, Total Recoverable (TR)	0.014	0.023	
	Lead (TR)	0.0083	0.017	
	Zinc (TR)	0.071	0.13	
Group C Parameters	Total Nitrogen (as N)	< 0.86	0.86	
	TKN	0.66	0.71	
	Nitrate Nitrogen (as N)	0.18	0.067	
	Nitrite Nitrogen (as N)	< 0.020	0.083	
	Ammonia Nitrogen (as NH3)	0.013	0.12	
	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	< 0.0000062	< 0.0000063	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Mercury, Total (ng/L)	22	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	160,000	
	Maximum Flow rate, gallons per minute	1,300	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/13/19	5/13/19	
	Duration of storm event, in minutes	N.R.	1,260	Rain started at 0315 EDT on 5/13/19 and ended at 0015 EDT on 5/14/19.
	Date and Time of sample collection	5/13/19 1015	5/13/19 1300	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.32	An additional 0.12 inches was recorded after sampling was completed for a storm event total of 0.44 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	65	Precipitation of 0.64 inches was recorded on 5/10/19 at 1015 EDT. No flow above base flow upon arrival.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 4, OUTFALL S34
Monitoring Period: January 1 through June 30, 2019

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	3.7 / 4.3	N.R.	15 mg/L
	BOD-5	2.7 / 2.5	< 2.0	Not specified in permit. N.R. = Nor Required.
	Total Suspended Solids (TSS)	360 / 340	550	
	Total Dissolved Solids (TDS)	400 / 390	360	
	Phosphorus, Total	0.79 / 0.83	0.97	
Group B Parameters	Aluminum	14 / 9.5	20	
	Iron	20 / 14	28	
	Copper, Total Recoverable (TR)	0.024 / 0.026	0.033	
	Lead (TR)	0.020 / 0.020	0.025	
	Zinc (TR)	0.20 / 0.21	0.25	
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)	< 0.013 / < 0.013	< 0.013	
	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.	18,000	
	Maximum Flow rate, gallons per minute	530	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/29/19	5/29/19	
	Duration of storm event, in minutes	N.R.	60	Rain started at 1200 EDT on 5/29/19 and ended at 1300 EDT on 5/29/19.
	Date and Time of sample collection	5/29/19 1240	5/29/19 1525	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.13	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	21	Precipitation of 0.36 inches was recorded on 5/28/19 at 1515 EDT. Outfall was at base flow conditions.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 5, OUTFALL S28**

Monitoring Period: January 1 through June 30, 2019

Parameter Group	Parameter	Results in mg/L, mL/L for Settleable Solids		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.6 S.U.	N.R.	Not specified in permit.
	Oil and Grease	3.1	N.R.	15 mg/L
	BOD-5	4.8	3.0	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	100	68	
	Total Dissolved Solids (TDS)	180	120	The Surfactant results for the first flush grab and composite samples were flagged "R" unreliable during the data validation process due to missed holding times and/or spike recovery failures.
	Phosphorus, Total	0.23	0.17	
Group B Parameters	Aluminum	5.5	3.7	
	Iron	4.5	3.0	
	Copper, Total Recoverable (TR)	0.0083	0.0064	
	Lead (TR)	0.0093	0.0042	
	Zinc (TR)	0.034	0.022	
Group C Parameters	Total Nitrogen (as N)	< 0.83	< 0.71	The Sulfide result on the first flush grab sample was flagged "R" unreliable during the data validation process due to a spike recovery failure.
	TKN	0.77	0.64	
	Nitrate Nitrogen (as N)	0.044	0.047	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.054	0.051	
	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	0.011	0.0070	
	Surfactant (as LAS)	< 0.013 "R"	< 0.013 "R"	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.3	0.3	
	Sulfide	< 0.050 "R"	< 0.050	
	Paraquat Dichloride	N. R.	N. R.	
Flow	Total Flow, gallons	N.R.	140,000	
	Maximum Flow rate, gallons per minute	1,300	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/20/19	6/20/19	
	Duration of storm event, in minutes	N.R.	1,140	Rain started at 0600 EDT on 6/20/19 and ended at 0100 EDT on 6/21/19.
	Date and Time of sample collection	6/20/19 0655	6/20/19 0940	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	1.64	An additional 0.63 inches was recorded after sampling was completed for a storm event total of 2.27 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	86	Precipitation of 0.51 inches was recorded on 6/16/19 at 1630 EDT. No flow at outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 6, OUTFALL S38
Monitoring Period: January 1 through June 30, 2019

Parameter Group	Parameter	Results in mg/L, mL/L for Settleable Solids		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	2.3	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	630	430	
	Total Dissolved Solids (TDS)	170	190	The Surfactant results for the first flush grab and composite samples were flagged "R" unreliable during the data validation process due to missed holding times and/or spike recovery failures.
	Phosphorus, Total	0.99	0.84	
Group B Parameters	Aluminum	26	20	
	Iron	29	22	
	Copper, Total Recoverable (TR)	0.025	0.022	
	Lead (TR)	0.014	0.011	
	Zinc (TR)	0.089	0.074	
Group C Parameters	Total Nitrogen (as N)	< 1.7	< 1.4	
	TKN	1.4	1.1	
	Nitrate Nitrogen (as N)	0.23	0.23	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.054	0.042	
	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	0.050	0.055	
	Surfactant (as LAS)	< 0.013 "R"	< 0.013 "R"	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.2	0.2	
	Sulfide	< 0.050	< 0.050	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	110,000	
	Maximum Flow rate, gallons per minute	1,100	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/20/19	6/20/19	
	Duration of storm event, in minutes	N.R.	1,140	Rain started at 0600 EDT on 6/20/19 and ended at 0100 EDT on 6/21/19.
	Date and Time of sample collection	6/20/19 0700	6/20/19 0940	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	1.65	An additional 0.62 inches was recorded for a storm event total of 2.27 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	86	Precipitation of 0.51 inches was recorded on 6/16/19 at 1630 EDT. No flow at outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 7, OUTFALL S20
Monitoring Period: January 1 through June 30, 2019

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	2.3	N.R.	15 mg/L
	BOD-5	7.2	2.7	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	550	44	
	Total Dissolved Solids (TDS)	210	31	
	Phosphorus, Total	1.5	0.092	
Group B Parameters	Aluminum	3.4	1.5	
	Iron	6.2	1.9	
	Copper, Total Recoverable (TR)	0.031	0.0029	
	Lead (TR)	0.019	0.0012	
	Zinc (TR)	0.17	0.013	
Group C Parameters	Total Nitrogen (as N)	3.7	2.0	
	TKN	2.3	1.1	
	Nitrate Nitrogen (as N)	1.3	0.84	
	Nitrite Nitrogen (as N)	0.091	0.043	
	Ammonia Nitrogen (as NH3)	0.18	0.78	
	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)	< 0.013	0.023	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	< 0.050	< 0.050	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	43,000	
	Maximum Flow rate, gallons per minute	360	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/07/19	5/07/19	
	Duration of storm event, in minutes	N.R.	180	Rain started at 1245 EDT on 5/07/19 and ended at 1545 EDT on 5/07/19.
	Date and Time of sample collection	5/07/19 1310	5/07/19 1600	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.15	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	92	Precipitation of 0.22 inches was recorded on 5/3/19 at 1600 EDT. No flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 8, OUTFALL S27**

Monitoring Period: January 1 through June 30, 2019

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	2.1	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not Required. The Surfactant result for the first flush grab sample was flagged "R" unreliable during the data validation process due to a matrix spike failure.
	Total Suspended Solids (TSS)	290	250	
	Total Dissolved Solids (TDS)	320	170	
	Phosphorus, Total	0.45	0.38	
Group B Parameters	Aluminum	9.8	8.7	
	Iron	10	9.0	
	Copper, Total Recoverable (TR)	0.012	0.011	
	Lead (TR)	0.021	0.019	
	Zinc (TR)	0.057	0.052	
Group C Parameters	Total Nitrogen (as N)	0.90	< 0.80	
	TKN	0.80	0.72	
	Nitrate Nitrogen (as N)	0.048	< 0.020	
	Nitrite Nitrogen (as N)	0.047	0.056	
	Ammonia Nitrogen (as NH3)	0.019	0.016	
	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)	< 0.013 *R*	< 0.013	
	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.	38,000	
	Maximum Flow rate, gallons per minute	360	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/13/19	5/13/19	
	Duration of storm event, in minutes	N.R.	1260	Rain started at 0315 EDT on 5/13/19 and ended at 0015 EDT on 5/14/19.
	Date and Time of sample collection	5/13/19 1030	5/13/19 1320	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.33	An additional 0.11 inches was recorded after sampling was completed for a storm event total of 0.44 inches
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	65	Precipitation of 0.64 inches was recorded on 5/10/19 at 1015 EDT. There was no flow at outfall upon arrival.

Attachment C

E-mail Confirmation from NYSDEC

Bonnie Jeffery

From: netdmr-notification@epa.gov
Sent: Wednesday, July 17, 2019 2:32 PM
To: ewwohlers@cattco.org; Moira Maloney; R9.NetDMR@dec.ny.gov; William Kean; Bonnie Jeffery; Michael Pendl; Janice Williams; Joseph Forti
Subject: NetDMR DMR(s) Submittal Passed for: NY0000973

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

CDX Transaction ID: _cec1d561-709e-4c18-b1ee-ed2b06b25243

User ID: janice.williams@chbwv.com

Timestamp: 07/17/2019 13:56:43

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: 06/30/19

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: S - OUTFALL 001 SEMI-ANNUAL
Monitoring Period End Date: 06/30/19

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: 06/30/19

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: 06/30/19

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 06/30/19

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 06/30/19

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: SUM
Discharge: N - SUM OF OUTFALLS 1 & 7
Monitoring Period End Date: 06/30/19

Thank you.

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