

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:2022:0577
July 20, 2022

Attention: Jennifer M. Dundas

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period January 1 through June 30, 2022, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2022 through June 30, 2022

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, 2022 including the Net Iron calculation sheet has been submitted electronically. Please note that semi-annual sampling results for outfall 001 and the Whole Effluent Toxicity (WET) sampling results for the second quarter are also included. 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 storm water monitoring results for the period of January 1, 2022 through June 30, 2022.

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

Sincerely,

Approval Obtained Electronically

John D. Rendall
President & General Manager

JDR:WNK:bnj

Attachments: A) SPDES DMR for June 1 through June 30, 2022 Monitoring Period
B) Storm Water Discharge Monitoring Results for January 1 through June 30, 2022 Monitoring Period
C) CHBWV Environmental Certification
D) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP
S. A. Cherry, CHBWV
C. Chun, CHBWV
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
D. P. Klenk, CHBWV
E. A. Lowes, CHBWV
J. K. Mantione, CHBWV
D. M. Martinet, CHBWV
J. T. Pillittere, CHBWV (Public Reading Room)
R. E. Steiner, CHBWV
K. A. Wooley, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #2130562

Attachment A

SPDES DMR for June 1 – June 30, 2022

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period June 1 through June 30, 2022, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for January 1, 2022 through June 30, 2022

The SPDES DMR for the June 1 through June 30, 2022 Monitoring Period is provided as Attachment A. There were no discharges at outfalls 001-M, 007-M, 007-W, 116-M, Sum-N or internal outfall 01B-M during the monitoring period of June 1, 2022 through June 30, 2022. Please note that semi-annual sampling results for outfall 001-S, 001-V and the second quarter Whole Effluent Toxicity (WET) sampling results 001-W are also included within this DMR.

CHBWV is also submitting the analytical results and data for the semi-annual storm water monitoring for the monitoring period of January 1, 2022 through June 30, 2022 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 4, May 16, and June 9, 2022. The on-site pH measured near the site's rain gauge on each of these dates was: 7.4 SU; 7.2 SU; and 7.6 SU respectively.

Storm water sampling at outfall S04 was completed on May 4, 2022. The number of hours between storm events was 6 hours (less than the normally required 72 hours), outfall S04 was above base flow conditions at the start of sampling.

Storm water sampling at outfalls S09 and S20 was completed on May 16, 2022. The number of hours between storm events was 32 hours (less than the normally required 72 hours), outfalls S09 and S20 were flowing upon arrival at the outfalls.

Storm water sampling at outfalls S34, S17 and S27 was completed on June 9, 2022. The number of hours between storm events was 28 hours (less than the normally required 72 hours), outfall S34 was slightly above base flow conditions and outfalls S17 and S27 were flowing upon arrival at the outfalls.

Storm water outfalls S06 and S43 were not sampled prior to the end of the monitoring period. Work force resources 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 2022 discharge monitoring report.

SPDES DISCHARGE MONITORING REPORT - JUNE 1 THROUGH JUNE 30, 2022
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	Permittee:	U.S. DEPT OF ENERGY
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585
Permitted Feature:	001 External Outfall	Discharge:	001-M OUTFALL 001 MONTHLY PROC WW, GW, STORM
Facility:	WEST VALLEY DEMONSTRATION PROJ		
Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799		

Report Dates & Status			
Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/28/22
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Bryan C.	Title:	Director, USDOE-WVDP
Last Name:	Bower	Telephone:	716-942-4368

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3				Units	
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample													19 - mg/L	01/BA - Once Per Batch	24 - COMP24
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/BA - Twice Per Batch	CA - CALCTD	
					Permit Req.						Req Mon MO AVG	<=	22.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req.						>=	3.0 MINIMUM		Req Mon MAXIMUM						
					Value NODI						C - No Discharge		C - No Discharge							
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	10.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00400	pH	1 - Effluent Gross	0	--	Sample												12 - SU	01/BA - Once Per Batch	GR - GRAB	
					Permit Req.						>=	6.5 MINIMUM		<=	8.5 MAXIMUM					
					Value NODI						C - No Discharge		C - No Discharge							
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						<=	30.0 MO AVG	<=	45.0 DAILY MX						
					Value NODI						C - No Discharge		C - No Discharge							
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample												25 - mL/L	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req.						Req Mon MO AVG	<=	0.3 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
					Permit Req.						Req Mon MO AVG	<=	15.0 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	0.1 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample												19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	0.4 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample												19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req.						Req Mon MO AVG	<=	0.15 DAILY MX							
					Value NODI						C - No Discharge		C - No Discharge							

00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample																Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L				01/BA - Once Per Batch	GR - GRAB								
					Permit Req.																				C - No Discharge		C - No Discharge										
					Value NODI																																
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
01105	Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
01128	Vanadium, total recoverable	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample																																
					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																																
					Permit Req.																																
					Value NODI																																
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	--	Sample																																
					Permit Req.																																
					Value NODI																																

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWV wastewater treatment plant operators is 0.01 mg/L.

Attachments

Name	Type	Size
WVDP_January_1_2022_June_30_2022_Storm_Water_Data.pdf	pdf	4770315.0

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com
 Name: William Kean
 E-Mail: william.kean@chbwv.com
 Date/Time: 2022-07-19 13:22 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM
 Name: Elizabeth Lowes
 E-Mail: elizabeth.lowes@chbwv.com
 Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

Permit					
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY	Facility:	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	001 External Outfall	Discharge:	001-S OUTFALL 001 SEMI-ANNUAL		

Report Dates & Status					
Monitoring Period:	From 01/01/22 to 06/30/22	DMR Due Date:	07/28/22	Status:	NetDMR Validated

Considerations for Form Completion

Principal Executive Officer					
First Name:	Bryan C.	Title:	Director, USDOE-WVDP	Telephone:	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading			Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Type				
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1				Value 1	Qualifier 2	Value 2	Qualifier 3
00722	Cyanide, free [amenable to chlorination]	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													
39410	Heptachlor	1 - Effluent Gross	0	--	Sample													
					Permit Req.													
					Value NODI													

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

Edit Check Errors
No errors.

Comments
As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWW wastewater treatment plant operators is 0.01 mg/L.

Attachments
No attachments.

Report Last Saved By
U.S. DEPT OF ENERGY

User: william.kean@chbww.com
Name: William Kean

E-Mail: william.kean@chbwv.com
Date/Time: 2022-07-19 13:22 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM
Name: Elizabeth Lowes
E-Mail: elizabeth.lowes@chbwv.com
Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

Permit																			
Permit #:	NY0000973			Permittee:	U.S. DEPT OF ENERGY				Facility:	WEST VALLEY DEMONSTRATION PROJ									
Major:	Yes			Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585				Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799									
Permitted Feature:	001 External Outfall			Discharge:	001-V OUTFALL 001 ACTION LEVELS SEMI-ANNUAL														
Report Dates & Status																			
Monitoring Period:	From 01/01/22 to 06/30/22			DMR Due Date:	07/28/22				Status:	NetDMR Validated									
Considerations for Form Completion																			
SEE PERMIT FOR REPORTING REQUIREMENTS																			
Principal Executive Officer																			
First Name:	Bryan C.			Title:	Director, USDOE-WVDP				Telephone:	716-942-4368									
Last Name:	Bower																		
No Data Indicator (NODI)																			
Form NODI:	--																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01022	Boron, total [as B]	V - See Comments	0	--										=	0.04	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
														<=	2.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Sample									<	0.01	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
01152	Titanium, total [as Ti]	V - See Comments	0	--										<=	0.65 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Sample									<	0.37	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
71870	Bromide [as Br]	V - See Comments	0	--										<=	5.0 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI														
					Permit Req.														
					Sample														
					Permit Req.														
					Value NODI														
					Permit Req.														
					Value NODI														
Submission Note																			
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																			
Edit Check Errors																			
No errors.																			
Comments																			
As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWV wastewater treatment plant operators is 0.01 mg/L.																			
Attachments																			
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:	2022-07-19 13:23 (Time Zone: -04:00)																		
Report Last Signed By																			
User:	ELIZABETH.LOWES@CHBWV.COM																		
Name:	Elizabeth Lowes																		
E-Mail:	elizabeth.lowes@chbvw.com																		
Date/Time:	2022-07-19 14:08 (Time Zone: -04:00)																		

DMR Copy of Record

Permit					
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY	Facility:	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	001 External Outfall	Discharge:	001-W OUTFALL 001 WET TESTING QUARTERLY		

Report Dates & Status					
Monitoring Period:	From 04/01/22 to 06/30/22	DMR Due Date:	08/28/22	Status:	NetDMR Validated

Considerations for Form Completion
SEE PERMIT FOOTNOTES FOR WET TESTING REQUIREMENTS

Principal Executive Officer					
First Name:	Bryan C.	Title:	Director, USDOE-WVDP	Telephone:	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type				
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units		
61425	Toxicity [acute], Ceriodaphnia dubia	V - See Comments	0	--	Sample									=	0.3	2F - tox acute	0	01/90 - Quarterly	24 - COMP24			
					Permit Req.													<=	0.3 MAXIMUM	2F - tox acute	01/90 - Quarterly	24 - COMP24
					Value NODI																	
61426	Toxicity [chronic], Ceriodaphnia dubia	V - See Comments	0	--	Sample									=	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24			
					Permit Req.													<=	1.0 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Value NODI																	
61427	Toxicity [acute], Pimephales promelas [Fathead Minnow]	V - See Comments	0	--	Sample									=	0.3	2F - tox acute	0	01/90 - Quarterly	24 - COMP24			
					Permit Req.													<=	0.3 MAXIMUM	2F - tox acute	01/90 - Quarterly	24 - COMP24
					Value NODI																	
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	V - See Comments	0	--	Sample									=	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - COMP24			
					Permit Req.													<=	1.0 MAXIMUM	2G - tox chronic	01/90 - Quarterly	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(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) TestAmerica: NY Lab No. 10026; and 2) General Engineering Laboratory: NY Lab No. 11501. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the CHBWV wastewater treatment plant operators is 0.01 mg/L.

Attachments
No attachments.

Report Last Saved By
U.S. DEPT OF ENERGY

User: william.kean@chbwv.com
Name: William Kean
E-Mail: william.kean@chbwv.com
Date/Time: 2022-07-19 13:23 (Time Zone: -04:00)

Report Last Signed By
User: ELIZABETH.LOWES@CHBWV.COM
Name: Elizabeth Lowes
E-Mail: elizabeth.lowes@chbwv.com
Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

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

Report Dates & Status			
Monitoring Period:	From 06/01/22 to 06/30/22	DMR Due Date:	07/28/22
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Bryan C.	Title:	Director, USDOE-WVDP
Last Name:	Bower	Telephone:	716-942-4368

No Data Indicator (NODI)
Form NODI: --

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

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

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com

Name: William Kean

E-Mail: william.kean@chbwv.com

Date/Time: 2022-07-19 13:23 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM

Name: Elizabeth Lowes

E-Mail: elizabeth.lowes@chbwv.com

Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

Permit					
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY	Facility:	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	007 External Outfall	Discharge:	007-W OUTFALL 007 WET TESTING QUARTERLY		

Report Dates & Status					
Monitoring Period:	From 04/01/22 to 06/30/22	DMR Due Date:	08/28/22	Status:	NetDMR Validated

Considerations for Form Completion
SEE PERMIT FOOTNOTES FOR WET TESTING REQUIREMENTS

Principal Executive Officer					
First Name:	Bryan C.	Title:	Director, USDOE-WVDP	Telephone:	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req.	Value NODI	Quantity or Loading					Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Type		
							Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2				Value 2	Qualifier 3
61425	Toxicity [acute], Ceriodaphnia dubia	V - See Comments	0	--	Sample Permit Req.										<=	0.3 MAXIMUM	2F - tox acute	01/90 - Quarterly	24 - COMP24
					Value NODI											C - No Discharge			
61426	Toxicity [chronic], Ceriodaphnia dubia	V - See Comments	0	--	Sample Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Value NODI											C - No Discharge			
61427	Toxicity [acute], Pimephales promelas [Fathead Minnow]	V - See Comments	0	--	Sample Permit Req.										<=	0.3 MAXIMUM	2F - tox acute	01/90 - Quarterly	24 - COMP24
					Value NODI											C - No Discharge			
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	V - See Comments	0	--	Sample Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic	01/90 - Quarterly	24 - COMP24
					Value NODI											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@chbvw.com
Name: William Kean
E-Mail: william.kean@chbvw.com
Date/Time: 2022-07-19 13:23 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWW.COM
Name: Elizabeth Lowes
E-Mail: elizabeth.lowes@chbvw.com
Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

Parameter		Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
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				

Permit

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

Report Dates & Status

Monitoring Period: **From 06/01/22 to 06/30/22** | DMR Due Date: **07/28/22** | Status: **NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name: **Bryan C.** | Title: **Director, USDOE-WVDP** | Telephone: **716-942-4368**
 Last Name: **Bower**

No Data Indicator (NODI)

Form NODI: **--**

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: **2022-07-19 13:24 (Time Zone: -04:00)**

Report Last Signed By

User: **ELIZABETH.LOWES@CHBWV.COM**
 Name: **Elizabeth Lowes**
 E-Mail: **elizabeth.lowes@chbwv.com**
 Date/Time: **2022-07-19 14:08 (Time Zone: -04:00)**

DMR Copy of Record

Parameter		Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
70295	Solids, total dissolved	Z - Instream Monitoring	0	--															
					Sample														
					Permit Req.								Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD
					Value NODI								C - No Discharge		C - No Discharge				

Permit
 Permit #: **NY0000973**
 Major: Yes
 Permitted Feature: 116
 Internal Outfall

Permittee: U.S. DEPT OF ENERGY
 Permittee Address: 1000 INDEPENDENCE AVE SW
 WASHINGTON, DC 20585
 Discharge: **116-M**
 PSEUDO MON. POINT @FRANKS CRK

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

Report Dates & Status
 Monitoring Period: From 06/01/22 to 06/30/22
 DMR Due Date: 07/28/22
 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@chbwv.com
 Name: William Kean
 E-Mail: william.kean@chbwv.com
 Date/Time: 2022-07-19 13:24 (Time Zone: -04:00)

Report Last Signed By
 User: ELIZABETH.LOWES@CHBWV.COM
 Name: Elizabeth Lowes
 E-Mail: elizabeth.lowes@chbwv.com
 Date/Time: 2022-07-19 14:08 (Time Zone: -04:00)

DMR Copy of Record

Permit																		
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY					Facility:	WEST VALLEY DEMONSTRATION PROJ									
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585					Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799									
Permitted Feature:	SUM Internal Outfall	Discharge:	SUM-N SUM OF OUTFALLS 1 & 7															
Report Dates & Status																		
Monitoring Period:	From 06/01/22 to 06/30/22		DMR Due Date:	07/28/22				Status:	NetDMR Validated									
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Bryan C.		Title:	Director, USDOE-WVDP					Telephone:	716-942-4368								
Last Name:	Bower																	
No Data Indicator (NODI)																		
Form NODI:	--																	
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	2 - Effluent Net	0	--														
				Sample 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_2022_Net_Iron_Calculation.pdf	pdf	294872.0					
Report Last Saved By																		
U.S. DEPT OF ENERGY																		
User:	william.kean@chbwv.com																	
Name:	William Kean																	
E-Mail:	william.kean@chbwv.com																	
Date/Time:	2022-07-19 13:24 (Time Zone: -04:00)																	
Report Last Signed By																		
User:	ELIZABETH.LOWES@CHBWV.COM																	
Name:	Elizabeth Lowes																	
E-Mail:	elizabeth.lowes@chbwv.com																	
Date/Time:	2022-07-19 14:08 (Time Zone: -04:00)																	

Attachment B

**Storm Water Discharge Monitoring Results for
January 1 through June 30, 2022
Monitoring Period**

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 1, OUTFALL S04
Monitoring Period: January 1 through June 30, 2022**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit	
		First Flush Grab	Flow-weighted Composite		
Group A Parameters	pH	8.4	S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	4.1		N.R.	15 mg/L
	BOD-5	< 3.0		< 3.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	170		200	
	Total Dissolved Solids (TDS)	430		440	
	Phosphorus, Total	0.41		0.65	
Group B Parameters	Aluminum	13		24	
	Iron	42		19	
	Copper, Total Recoverable (TR)	0.038		0.019	
	Lead (TR)	0.042		0.021	
	Zinc (TR)	0.23		0.11	
Group C Parameters	Total Nitrogen (as N)	< 2.4		< 1.1	
	TKN	2.2		0.91	
	Nitrate Nitrogen (as N)	0.19		0.12	
	Nitrite Nitrogen (as N)	< 0.020		< 0.020	
	Ammonia Nitrogen (as NH3)	0.084		0.039	
	Cadmium, TR	0.00053		0.00024	
	Chromium, TR	0.016		0.0091	
	Hexavalent Chromium, TR	<0.0050		< 0.0050	
	Selenium, TR	< 0.00044		< 0.00044	
	Vanadium, TR	0.020		0.012	
	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.		1,300,000	
	Maximum Flow rate, gallons per minute	16,000		N.R.	
	Method of flow measurement	Staff Gauge			
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/04/22		05/04/22	
	Duration of storm event, in minutes	N.R.		405	Rain started at 0545 EDT on 5/04/22 and ended at 1230 EDT on 5/04/22.
	Date and Time of sample collection	05/04/22 0715		05/04/22 1000	
	Sampling Duration (Minutes)	Instantaneous		180	
	Total rainfall during sampling event, in inches	N.R.		0.43	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.		6	0.12 inches was recorded on 5/3/22 at 2345 EDT. Outfall was above base flow conditions upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 3, OUTFALL S09
Monitoring Period: January 1 through June 30, 2022**

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	8.3 S.U.	N.R.	Not specified in permit.
	Oil and Grease	1.5	N.R.	15 mg/L
	BOD-5	6.8	5.4	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	330	240	
	Total Dissolved Solids (TDS)	510	470	
	Phosphorus, Total	0.82	0.49	
Group B Parameters	Aluminum	16	11	
	Iron	21	14	
	Copper, Total Recoverable (TR)	0.033	0.024	
	Lead (TR)	0.047	0.030	
	Zinc (TR)	0.22	0.14	
Group C Parameters	Total Nitrogen (as N)	< 1.9	6.7	
	TKN	1.9	6.2	
	Nitrate Nitrogen (as N)	< 0.020	0.50	
	Nitrite Nitrogen (as N)	< 0.020	0.030	
	Ammonia Nitrogen (as NH3)	0.33	0.23	
	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	< 0.0000067	< 0.0000070	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Mercury, Total (ng/L)	13	N.R.	
Paraquat Dichloride	N.R.	N.R.		
Flow	Total Flow, gallons	N.R.	77,000	
	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	5/16/22	5/16/22	
	Duration of storm event, in minutes	N.R.	750	Rain started at 0900 EDT on 5/16/22 and ended at 2130 EDT on 5/16/22.
	Date and Time of sample collection	5/16/22 0925	5/16/22 1210	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.34	An Additional 0.20 inches was recorded after sampling was completed for a storm total of 0.54 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	32	Precipitation of 0.22 inches was recorded on 5/15/22 at 0130 EDT. There was flow at the outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 4, OUTFALL S34
Monitoring Period: January 1 through June 30, 2022**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.9 S.U.	N.R.	Not specified in permit.
	Oil and Grease	6.0	N.R.	15 mg/L
	BOD-5	9.8	9.5	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	51	6.4	
	Total Dissolved Solids (TDS)	200	220	
	Phosphorus, Total	< 0.0050	< 0.0050	
Group B Parameters	Aluminum	3.3	1.4	
	Iron	2.9	1.3	
	Copper, Total Recoverable (TR)	0.0050	0.0024	
	Lead (TR)	0.0038	0.0032	
	Zinc (TR)	0.042	0.018	
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)	0.046	0.027	
	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.	280,000	
	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	6/09/22	6/09/22	
	Duration of storm event, in minutes	N.R.	840	Rain started at 2330 EDT on 6/08/22 and ended at 1330 EDT on 6/09/22.
	Date and Time of sample collection	6/09/22 0600	6/09/22 0840	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.74	An additional 0.07 inches was recorded after sampling was completed for a storm total of 0.81 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	28	Precipitation of 0.27 inches was recorded on 6/7/22 at 1930 EDT. Outfall was slightly above base flow conditions upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 5, OUTFALL S17
Monitoring Period: January 1 through June 30, 2022**

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	7.9 S.U.	N.R.	Not specified in permit.
	Oil and Grease	6.8	N.R.	15 mg/L
	BOD-5	9.1	8.8	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	44	80	
	Total Dissolved Solids (TDS)	160	240	
	Phosphorus, Total	< 0.0050	0.22	
Group B Parameters	Aluminum	3.0	4.3	
	Iron	2.4	3.8	
	Copper, Total Recoverable (TR)	0.0040	0.0050	
	Lead (TR)	0.0069	0.0096	
	Zinc (TR)	0.017	0.022	
Group C Parameters	Total Nitrogen (as N)	0.43	0.86	
	TKN	0.30	0.69	
	Nitrate Nitrogen (as N)	0.10	0.14	
	Nitrite Nitrogen (as N)	0.027	0.028	
	Ammonia Nitrogen (as NH3)	0.020	< 0.0090	
	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	0.0060	0.0063	
	Surfactant (as LAS)	0.047	0.019	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	< 0.1	< 0.1	
	Sulfide	< 0.67	< 0.67	
Paraquat Dichloride	N.R.	N. R.		
Flow	Total Flow, gallons	N.R.	110,000	
	Maximum Flow rate, gallons per minute	930	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/09/22	6/09/22	
	Duration of storm event, in minutes	N.R.	840	Rain started at 2330 EDT on 6/08/22 and ended at 1300 EDT on 6/09/22.
	Date and Time of sample collection	6/09/22 0615	6/09/22 0855	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.74	An additional 0.07 inches was recorded after sampling was completed for a storm Total of 0.81 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	28	Precipitation of 0.27 inches was recorded on 6/07/22 at 1930 EDT. There was flow at the outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 7, OUTFALL S20
Monitoring Period: January 1 through June 30, 2022**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	5.6 S.U.	N.R.	Not specified in permit.
	Oil and Grease	< 1.5	N.R.	15 mg/L
	BOD-5	6.4	5.8	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	8.0	< 4.0	
	Total Dissolved Solids (TDS)	50	40	
	Phosphorus, Total	0.052	0.041	
Aluminum	0.35	0.25		
Group B Parameters	Iron	0.37	0.29	
	Copper, Total Recoverable (TR)	0.0011	0.00085	
	Lead (TR)	0.00061	0.00036	
	Zinc (TR)	0.0052	0.0037	
	Total Nitrogen (as N)	< 1.1	< 2.7	
Group C Parameters	TKN	0.88	2.4	
	Nitrate Nitrogen (as N)	0.24	0.32	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.49	0.60	
	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	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	< 0.67	< 0.67	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	70,000	
	Maximum Flow rate, gallons per minute	1,200	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	5/16/22	5/16/22	
	Duration of storm event, in minutes	N.R.	750	Rain started at 0900 EDT on 5/16/22 and ended at 2130 EDT on 5/16/22.
	Date and Time of sample collection	5/16/22 0915	5/16/22 1200	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.34	An additional 0.20 inches was recorded after sampling was completed for a storm total of 0.54 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	32	Precipitation of 0.22 inches was recorded on 5/15/22 at 0130 EDT. There was flow at the outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 8, OUTFALL S27
Monitoring Period: January 1 through June 30, 2022**

Parameter Group	Parameter	Results, in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.5 S.U.	N.R.	Not specified in permit.
	Oil and Grease	11	N.R.	15 mg/L
	BOD-5	10	11	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	35	20	
	Total Dissolved Solids (TDS)	180	250	
	Phosphorus, Total	< 0.0050	< 0.0050	
Group B Parameters	Aluminum	2.7	1.9	
	Iron	2.4	1.2	
	Copper, Total Recoverable (TR)	0.0044	0.0032	
	Lead (TR)	0.0074	0.0036	
	Zinc (TR)	0.018	0.0082	
Group C Parameters	Total Nitrogen (as N)	0.89	< 1.1	
	TKN	0.58	0.71	
	Nitrate Nitrogen (as N)	0.28	0.36	
	Nitrite Nitrogen (as N)	0.028	< 0.020	
	Ammonia Nitrogen (as NH3)	0.014	0.020	
	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)	0.036	0.037	
	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.	55,000	
	Maximum Flow rate, gallons per minute	510	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	6/09/22	6/09/22	
	Duration of storm event, in minutes	N.R.	840	Rain started at 2330 EDT on 6/08/22 and ended at 1330 EDT on 6/09/22.
	Date and Time of sample collection	6/09/22 0600	6/09/22 0850	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.74	An additional 0.07 inches was recorded after sampling was completed for a storm total of 0.81 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	28	Precipitation of 0.27 inches was recorded on 6/07/22 at 1930 EDT. There was a slight flow at the outfall upon arrival.