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

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

X1 = 0.000 mg/L

X2 = 0.000 mg/L

V1 = 0.000 L/month

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

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

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

X2 = 0.000 mg/L

V7 = 0.00 L/month

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

RAW WATER = MRW =
$$(X1 + X2 + X3 + X4)$$
 VRW = 0.00 mg/month

X1 = 0.000 mg/L

X2 = 0.000 mg/L

X3 = 0.000 mg/L

X4 = 0.000 mg/L

VRW = 0.00 L/month

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

Permit #:

Major:

NY0000973

Permittee: U.S. DEPT OF ENERGY

Yes

1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

Permitted Feature: 001 External Outfall Discharge: 001-M

Permittee Address:

OUTFALL 001 MONTHLY PROC WW, GW, STORM

Report Dates & Status

Monitoring Period: From 06/01/22 to 06/30/22

DMR Due Date: 07/28/22

Status: NetDMR Validated

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

Facility:

Facility Location:

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)

	Parameter	Monitoring Location	Season	# Param. NODI				uantity or Loading						uality or Concentra				# of Ex. Frequency of Analysis	s Sample T
Code	Name				Sample	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
00154 Sulfate [a	ac C1	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/BA - Once Per Batch	1 24 - COMI
JU 154 Sullate La	as oj	i - Eilideili Gioss	U		Value NODI									C - No Discharge		C - No Discharge			
					Sample														
0181 Oxygen d	demand, ultimate	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG			19 - mg/L	02/BA - Twice Per Batch	h CA - CAL
					Value NODI									C - No Discharge	е	C - No Discharge			
0300 Oxygen,	dissolved [DO]	1 - Effluent Gross	0		Sample Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L	02/BA - Twice Per Batch	h GR - GR
OSOO Oxygen,	dissolved [DO]	1 - Ellidelit Gloss	U		Value NODI							C - No Discharge				C - No Discharge			
					Sample														
00310 BOD, 5-d	day, 20 deg. C	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L	02/BA - Twice Per Batch	h 24 - COM
					Value NODI									C - No Discharge	е	C - No Discharge			
					Sample							0.5.1415.115.41.15.4				0.5.144.7/14/14	10 011	04/DA 0 D D 14	00 00
0400 pH		1 - Effluent Gross	0		Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM C - No Discharge	12 - SU	01/BA - Once Per Batch	1 GR - GR/
					Value NODI							C - No Discharge				C - No Discharge			
0530 Solids, to	otal suspended	1 - Effluent Gross	0		Sample Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L	02/BA - Twice Per Batch	h 24 - CON
301ius, to	otai suspended	1 - Ellidelit Gloss	U		Value NODI									C - No Discharge	е	C - No Discharge			
					Sample														
00545 Solids, se	settleable	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L	02/BA - Twice Per Batch	h GR - GR
					Value NODI									C - No Discharge	е	C - No Discharge			
					Sample									D 14 140 1140		45 0 DAII WAW	10 "	04/DA 0 D D 14	00.00
00556 Oil & Gre	ease	1 - Effluent Gross	0		Permit Req. Value NODI									Req Mon MO AVG C - No Discharge			19 - mg/L	01/BA - Once Per Batch	I GR - GR
														C - No Discharge	е	C - No Discharge			
00615 Nitrogon	ı, nitrite total [as N]	1 - Effluent Gross	0		Sample Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	01/BA - Once Per Batch	1 24 - CON
Nitrogen,	i, mirite totai [as N]	1 - Elliuent Gloss	U		Value NODI									C - No Discharge	е	C - No Discharge			
					Sample														
0620 Nitrogen,	ı, nitrate total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 - CON
					Value NODI									C - No Discharge	е	C - No Discharge			
					Sample														
Nitrogen,	ı, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch	h 24 - CON
					Value NODI									C - No Discharge	е	C - No Discharge			
		4 500			Sample Permit Req.									Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 - COM
00746 Sulfide , d	aissoivea, [as S]	1 - Effluent Gross	U		Value NODI									C - No Discharge		C - No Discharge	g, L	zz. coc c. baton	
					Sample											3 -			
00978 Arsenic, 1	total recoverable	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 - COM
ĺ					Value NODI									C - No Discharge	е	C - No Discharge			

00070		1 5/1 10	Sample Permit Req.					Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
00979	Cobalt, total recoverable	1 - Effluent Gross 0	 Value NODI					C - No Discharge		C - No Discharge			
			Sample					Des Mes MO AVC		0.004 DAII V MV	10	04/DA Once Dev Betch	CD CDAD
00981	Selenium, total recoverable	1 - Effluent Gross 0	 Permit Req. Value NODI					Req Mon MO AVG C - No Discharge	<=	0.004 DAILY MX C - No Discharge	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
			Sample										
01045	Iron, total [as Fe]	1 - Effluent Gross 0	 Permit Req.					Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24
			Value NODI					C - No Discharge		C - No Discharge			
			Sample					2.0 MO AVG		4.0 DAILY MX	19 - mg/L	01/BA - Once Per Batch	24 COMPA
01105	Aluminum, total [as Al]	1 - Effluent Gross 0	 Permit Req. Value NODI				<=	C - No Discharge	<=	C - No Discharge	19 - mg/L	01/BA - Once Per Batch	24 - COMP2
			Sample					C - No Discharge		C - No Discharge			
01128	Vanadium, total recoverable	1 - Effluent Gross 0	 Permit Req.					Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
01120	variaulum, totai recoverable	1 - Ellident Gloss 0	 Value NODI					C - No Discharge		C - No Discharge			
			Sample										
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross 0	 Permit Req.				<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24
			Value NODI					C - No Discharge		C - No Discharge			
			Sample Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						02/BA - Twice Per Batch	CN - CONTIN
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross 0	 Value NODI	C - No Discharge	C - No Discharge	oo mee						ozisik i wiod i di Baton	011 0011111
			Sample										
50060	Chlorine, total residual	1 - Effluent Gross 0	 Permit Req.					Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge			
			Sample					Dec Man MO AVC		Dog Man DAIL V MV	40//	02/DA Turing Day Datah	CD CDAD
70295	Solids, total dissolved	1 - Effluent Gross 0	 Permit Req.					Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch	GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge			
71000	Mercury, total [as Hg]	1 - Effluent Gross 0	Sample Permit Req.				<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L	01/BA - Once Per Batch	GR - GRAB
71900	mercury, total [as ng]	i - Eiliueili Gioss 0	 Value NODI					C - No Discharge		C - No Discharge			
			Sample										
81646	Surfactants [linear alkylate sulfonate]	1 - Effluent Gross 0	 Permit Req.					Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L	01/BA - Once Per Batch	GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge			

Submission Note

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

Edit Check Errors

No errors.

Comments

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 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

Permit

Permit #: NY0000973

U.S. DEPT OF ENERGY Permittee:

Discharge:

Major: Yes Permittee Address:

1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

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

WEST VALLEY DEMONSTRATION PROJ

Facility:

Permitted Feature: 001

External Outfall

001-S

OUTFALL 001 SEMI-ANNUAL

Report Dates & Status

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

Considerations for Form Completion

Principal Executive Officer

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

Last Name: Bower

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI	ı	Qua	ntity or Loading			Quality or Co	ncentration	1		# of Ex	x. Frequency of Analysis Sample Typ
Code	Name					Qualifier 1 Value	e 1 Qualifier 2 Value 2 Units	Qualifier 1 Va	lue 1 Qualifier 2	Value 2	Qualifie	r 3 Value 3	Units		
					Sample				<	0.002	<	0.002	19 - mg/L		02/YR - Twice Per Year GR - GRAB
00722	Cyanide, free [amenable to chlorination]	1 - Effluent Gross	0		Permit Req.					Req Mon MO A\	′G <=	0.005 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year GR - GRAB
					Value NODI										
					Sample				=	0.089	=	0.089	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01055	Manganese, total [as Mn]	1 - Effluent Gross	0		Permit Req.					Req Mon MO A\	′G <=	2.0 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
	and the same of th				Value NODI										
					Sample				<	0.0013	<	0.0013	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01067	Nickel, total [as Ni]	1 - Effluent Gross	0		Permit Req.					Req Mon MO A\	′G <=	0.079 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
					Value NODI										
					Sample				<	0.0026	<	0.0026	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01094	Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AV	′G <=	0.13 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
					Value NODI										
					Sample				<	0.0002	<	0.0002	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01114	Lead, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO A\	′G <=	0.006 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
	,				Value NODI										
					Sample				=	0.00057	=	0.00057	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01118	Chromium, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AV	′G <=	0.11 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
	,				Value NODI										
					Sample				=	0.00056	=	0.00056	19 - mg/L		02/YR - Twice Per Year 24 - COMP2
01119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.					Req Mon MO AV	′G <=	0.014 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year 24 - COMP2
					Value NODI										
					Sample				<	0.007	<	0.007	28 - ug/L		02/YR - Twice Per Year GR - GRAB
39410	Heptachlor	1 - Effluent Gross	0		Permit Req.				<=	0.01 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(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 13:22 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM

Name: Elizabeth Lowes

E-Mail: elizabeth.lowes@chbwv.com

Permit Permit #:

NY0000973

U.S. DEPT OF ENERGY Permittee:

Major: Yes **Permittee Address:**

1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

Facility Location: 10282 ROCK SPRINGS ROAD

Facility:

WEST VALLEY DEMONSTRATION PROJ

WEST VALLEY, NY 14171-9799

Permitted Feature:

001 External Outfall Discharge: 001-V

OUTFALL 001 ACTION LEVELS SEMI-ANNUAL

Report Dates & Status

From 01/01/22 to 06/30/22 **Monitoring Period:**

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:

1 011111	1001.																	
	Parameter	Monitoring Location	Season #	Param. NODI			Quantit	y or Loadin	ng			Quality	or Concentration	n		# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1 \	Value 1	Qualifier 2	Value 2	Units Qualifier 1	Value 1	Qualifier 2 Va	alue 2 Qualifier	3 Value 3	Units			
					Sample								=	0.04	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
01022	Boron, total [as B]	V - See Comments	0		Permit Req.								<=	2.0 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
0.022	20.0, 101 [40.2]	· Coo Commonio			Value NODI													
					Sample								<	0.01	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
01152	Titanium, total [as Ti]	V - See Comments	0		Permit Req.								<=	0.65 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
	, , , , , , , , , , , , , , , , , , , ,				Value NODI													
					Sample								<	0.37	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
71870	Bromide [as Br]	V - See Comments	0	<u></u>	Permit Req.								<=	5.0 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
			_		Value NODI													

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(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**

william.kean@chbwv.com User:

William Kean Name:

E-Mail: william.kean@chbwv.com

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

Report Last Signed By

ELIZABETH.LOWES@CHBWV.COM User:

Name: Elizabeth Lowes

E-Mail: elizabeth.lowes@chbwv.com

Permit

Permit #: NY0000973

Permittee: U.S. DEPT OF ENERGY

Major: Yes

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

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

Facility:

WEST VALLEY DEMONSTRATION PROJ

Permitted Feature: 001 Discharge:

External Outfall

ge: 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:

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 Code Sample 2F - tox acute 01/90 - Quarterly 24 - COMP24 24 - COMP24 Permit Rea 0.3 MAXIMUM 2F - tox acute 01/90 - Quarterly 61425 Toxicity [acute], Ceriodaphnia dubia V - See Comments 0 Value NODI

				Sample				=	1.0	2G - tox chronic		01/90 - Quarterly	24 - COMP24
61426	Toxicity [chronic], Ceriodaphnia dubia	V - See Comments	0	 Permit Req.				<=	1.0 MAXIMUN	1 2G - tox chronic 0) C	01/90 - Quarterly	24 - COMP24
				Value NODI									
				Sample				=	0.3	2F - tox acute	C	01/90 - Quarterly	24 - COMP24
61427	Toxicity [acute], Pimephales promelas [Fathead Minnow]	V - See Comments	0	 Permit Req.				<=	0.3 MAXIMUN	1 2F - tox acute	, c	01/90 - Quarterly	24 - COMP24
•	,, [Value NODI									
				Sample				=	1.0	2G - tox chronic	C	01/90 - Quarterly	24 - COMP24
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	V - See Comments	0	 Permit Req.				<=	1.0 MAXIMUN	1 2G - tox chronic	, (01/90 - Quarterly	24 - COMP24
00	remains [come and], remember premains [remember]		_										

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.

Value NODI

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

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: 0

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

Report Dates & Status

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

Facility:

Facility Location:

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

Considerations for Form Completion

Principal Executive Officer

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

Last Name: Bower

No Data Indicator (NODI)

	NODI:																		
		Monitoring Location	Season	# Param. NOD	I			uantity or Loading						uality or Concentrati				f Ex. Frequency of Analy	ysis Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	2 Value 2	Qualifier 3	Value 3	Units		
					Sample Permit Req.									Req Mon MO AVG	<= 2	2.0 DAILY MX	19 - mg/L	01/30 - Monthly	CA - CALCTI
00181	Oxygen demand, ultimate	1 - Effluent Gross	0		Value NODI									C - No Discharge		C - No Discharge		01/00 Monthly	071 0712012
														C - No Discharge		C - No Discharge			
					Sample Permit Req.						>=	3.0 MINIMUM			F	Req Mon MAXIMUM	19 - ma/l	02/30 - Twice Per Mo	onth GR - GRAB
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0		Value NODI							C - No Discharge				C - No Discharge	10 mg/L	02/00 TWIOOT OF INC	Shar Or Grove
												C - No Discharge				C - No Discharge			
					Sample Permit Req.									Req Mon MO AVG	/- 1	0.0 DAILY MX	19 - mg/L	02/30 - Twice Per Mo	onth 24 - COMP2
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0		Value NODI									C - No Discharge		C - No Discharge		02/30 TWICCT CTIVIC	51111 24 CONII 2
														C - No Discharge		C - No Discharge			
					Sample Permit Req.						>=	6.5 MINIMUM			<= 8	s.5 MAXIMUM	12 - SU	02/30 - Twice Per Mo	onth GP - GPAR
00400	рН	1 - Effluent Gross	0								_	C - No Discharge					12 - 30	02/30 - 1 WICE I EI WIC	ON - ONAD
					Value NODI							C - No Discharge				C - No Discharge			
					Sample Permit Req.								<=	30.0 MO AVG	<= 4	5.0 DAILY MX	19 - mg/L	02/30 - Twice Per Mo	onth 24 - COMP24
00530	Solids, total suspended	1 - Effluent Gross	0										<=					02/30 - Twice Per IVIC	DIIII 24 - COMP22
					Value NODI									C - No Discharge		C - No Discharge			
					Sample									Daw Mary MO AVO		O DAIL V MV	05	00/00 Turing Dan Ma	th OD ODAD
00545	Solids, settleable	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		0.3 DAILY MX	25 - mL/L	02/30 - Twice Per Mo	onth GR - GRAB
					Value NODI									C - No Discharge		C - No Discharge			
					Sample									5 14 140 13/0		5 0 DAII V 140V	10 "	00/00 T : D M	4 00 0040
00556	Oil & Grease	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		5.0 DAILY MX	19 - mg/L	02/30 - Twice Per Mo	onth GR - GRAB
					Value NODI									C - No Discharge		C - No Discharge			
					Sample									5 14 140 11/0		4 5 4 11 1/ 10/	10 "	04/00 14 //	04 001400
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		0.1 DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP24
					Value NODI									C - No Discharge		C - No Discharge			
					Sample														
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX		01/30 - Monthly	24 - COMP24
					Value NODI									C - No Discharge		C - No Discharge			
					Sample														
01045	Iron, total [as Fe]	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		Req Mon DAILY MX		02/30 - Twice Per Mo	onth 24 - COMP24
					Value NODI									C - No Discharge		C - No Discharge			
					Sample														
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0		Permit Req.								<=	1.49 MO AVG		2.1 DAILY MX	19 - mg/L	02/30 - Twice Per Mo	onth 24 - COMP24
					Value NODI									C - No Discharge		C - No Discharge			
					Sample														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0		Permit Req.		eq Mon MO AVG		Mon DAILY MX	03 - MGE)							01/30 - Monthly	CN - CONTIN
					Value NODI		- No Discharg	e C	- No Discharge										
					Sample														
50060	Chlorine, total residual	1 - Effluent Gross	0		Permit Req.									Req Mon MO AVG		.1 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB
					Value NODI									C - No Discharge		C - No Discharge			

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

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

Permit

Permit #: NY0000973

Permittee: U.S. DEPT OF ENERGY

Major: Yes

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

W Facility Location:

Facility:

WEST VALLEY DEMONSTRATION PROJ

cation: 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

08/28/22

Status: NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOOTNOTES FOR WET TESTING REQUIREMENTS

Bower

Principal Executive Officer

First Name: Bryan C.

Title:

DMR Due Date:

Director, USDOE-WVDP

Telephone: 716

716-942-4368

No Data Indicator (NODI)

Last Name:

Form NODI: --

FOITH	Parameter	Monitoring Location	Season #	Param NODI			Quantity	/ or Loadin	n			Quality or	r Concen	tration		# of Fx	Frequency of Analysis	Sample Type
Code	Name	monitoring Location	occoon n	r aranni rrobi		Qualifier 1			_	s Qualifier 1	Value 1	Qualifier 2 Value 2 Q		Value 3	Units	" OI EXI	requestey of Amaryon	Cumple Type
61425	Toxicity [acute], Ceriodaphnia dubia	V - See Comments	0		Sample Permit Req Value NOD							<=		0.3 MAXIMUM C - No Discharge	2F - tox acute		01/90 - Quarterly	24 - COMP24
61426	Toxicity [chronic], Ceriodaphnia dubia	V - See Comments	0		Sample Permit Req Value NOD							<=		1.0 MAXIMUM C - No Discharge	2G - tox chronic		01/90 - Quarterly	24 - COMP24
61427	Toxicity [acute], Pimephales promelas [Fathead Minnow]	V - See Comments	0		Sample Permit Req Value NOD							<=		0.3 MAXIMUM C - No Discharge	2F - tox acute	-	01/90 - Quarterly	24 - COMP24
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	V - See Comments	0		Sample Permit Req Value NOD							<=		1.0 MAXIMUM C - No Discharge	2G - tox chronic	-	01/90 - Quarterly	24 - COMP24

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

Permit U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Permittee: **Facility Location:** Major: Yes **Permittee Address:** 1000 INDEPENDENCE AVE SW 10282 ROCK SPRINGS ROAD WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 01B Discharge: 01B-M **Permitted Feature:** Internal Outfall 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: Monitoring Location Season # Param. NODI # of Ex. Frequency of Analysis Sample Type **Quantity or Loading Quality or Concentration** Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Qualifier 3 Code Name Qualifier 1 Sample Reg Mon MO AVG Req Mon DAILY MX 07 - gal/d CN - CONTIN 01/07 - Weekly Permit Req. 00056 Flow rate 1 - Effluent Gross 0 Value NODI C - No Discharge C - No Discharge Sample Permit Reg. Reg Mon MO AVG <= 50.0 DAILY MX 3M - ng/L 02/BA - Twice Per Batch GR - GRAB 71900 Mercury, total [as Hg] 1 - Effluent Gross 0 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 13:24 (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)

Permit Permit #:

Major:

NY0000973

Yes

U.S. DEPT OF ENERGY Permittee:

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

Facility Location:

WEST VALLEY DEMONSTRATION PROJ

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 06/01/22 to 06/30/22 **DMR Due Date:** 07/28/22

Title:

Status:

Telephone:

Facility:

NetDMR Validated

716-942-4368

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.

Director, USDOE-WVDP

Principal Executive Officer

First Name: Bryan C.

Last Name: Bower

No Data Indicator (NODI)

Form NODI:

	Parameter	Monitoring Location	Season #	Param. NODI			Quanti	ty or Loading				Quality or Cond	centration			# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2 Va	lue 2 Units	Qualifier 1 Va	lue 1 Qualifier	2 Value 2	Qualifier 3	3 Value 3	Units			
					Sample													
70295	Solids, total dissolved	7 - Instream Monitoring	0		Permit Req.							Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - CALCTD
7.0200	Condo, total diccorred	2 monoun wormoning			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 13:24 (Time Zone: -04:00)

Report Last Signed By

ELIZABETH.LOWES@CHBWV.COM User:

Elizabeth Lowes Name:

E-Mail: elizabeth.lowes@chbwv.com

Permit U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Permittee: **Facility Location:** 10282 ROCK SPRINGS ROAD Major: Yes **Permittee Address:** 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 **Permitted Feature:** SUM Discharge: SUM-N Internal Outfall SUM OF OUTFALLS 1 & 7 Report Dates & Status **DMR Due Date:** Status: **Monitoring Period:** From 06/01/22 to 06/30/22 07/28/22 **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: Monitoring Location Season # Param. NODI **Quantity or Loading** # of Ex. Frequency of Analysis Sample Type Parameter **Quality or Concentration** Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Code Name Sample CA - CALCTD Req Mon MO AVG <= 1.0 DAILY MX 01/30 - Monthly Permit Req. 19 - mg/L 01045 Iron, total [as Fe] 2 - Effluent Net C - No Discharge C - No Discharge Value NODI **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. **Comments Attachments** Name Size Type WVDP_June_2022_Net_Iron_Calculation.pdf 294872.0 pdf Report Last Saved By **U.S. DEPT OF ENERGY** User: william.kean@chbwv.com Name: William Kean E-Mail: william.kean@chbwv.com 2022-07-19 13:24 (Time Zone: -04:00) Date/Time: Report Last Signed By User: ELIZABETH.LOWES@CHBWV.COM Name: Elizabeth Lowes E-Mail: elizabeth.lowes@chbwv.com 2022-07-19 14:08 (Time Zone: -04:00) Date/Time:

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

Parameter	Monitoring Period:	Results in mg/I		Permit No. NY-0000973
Group	Parameter	First Flush Grab	Flow-weighted Composite	Compliance Limit
Group A	рН	8.4 S.U.	N.R.	Not Specified in Permit.
Parameters	Oil and Grease	4.1	N.R.	15 mg/L
	BOD-5	< 3.0	< 3.0	Not specified in permit.
	Total Suspended Solids (TSS)	170	200	N.R. = Not Required.
	Total Dissolved Solids (TDS)	430	440	1
	Phosphorus, Total	0.41	0.65	
Group B	Aluminum	13	24	7
Parameters	Iron	42	19	7
	Copper, Total Recoverable (TR)	0.038	0.019	-
	Lead (TR)	0.042	0.021	
	Zinc (TR)	0.23	0.11	
Group C	Total Nitrogen (as N)	< 2.4	< 1.1	
Parameters	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	Date(s) of event monitored	05/04/22	05/04/22	
Event and Monitoring Summary	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	05/04/22	05/04/22	
	collection	0715	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

Parameter	Withintoring Period:		L, Mercury, total	Permit No. NY-0000973
Group	Parameter	in ng/L via me		Compliance Limit
Group	Parameter	First Flush	Flow-weighted	Compliance Limit
		Grab	Composite	
Group A	pН	8.3 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	1.5	N.R.	15 mg/L
1 arameters	BOD-5	6.8	5.4	Not specified in permit.
	Total Suspended Solids (TSS)	330	240	N.R. = Not Required.
	Total Dissolved Solids (TDS)	510	470	N.K. – Not Required.
	Phosphorus, Total	0.82	0.49	-
Group B	Aluminum	16	11	_
Parameters	Iron	21	14	_
r arameters	Copper, Total Recoverable	0.033	0.024	+
	(TR)	0.033	0.024	
	Lead (TR)	0.047	0.030	-
	Zinc (TR)	0.22	0.030	-
Group C	Total Nitrogen (as N)	< 1.9	6.7	
Parameters	TKN	1.9	6.2	=
1 arameters	Nitrate Nitrogen (as N)	< 0.020	0.50	-
	Nitrite Nitrogen (as N)	< 0.020	0.030	-
	Ammonia Nitrogen (as NH3)	0.33	0.030	-
	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.	\dashv
	Surfactant (as LAS)	N.R.	N.R.	\dashv
	Alpha BHC	< 0.0000067	< 0.0000070	\dashv
	Settleable Solids	N.R.	N.R.	\dashv
	Sulfide	N.R.	N.R.	\dashv
	Mercury, Total (ng/L)	13	N.R.	-
	Paraquat Dichloride	N.R.	N.R.	\dashv
Flow	Total Flow, gallons	N.R.	77,000	
TIOW	Maximum Flow rate, gallons	1,100	N.R.	
	per minute	1,100	IN.IX.	
	Method of flow measurement	Staff Gauge		L
Rainfall	Date(s) of event monitored	5/16/22	5/16/22	
Event and	Duration of storm event, in	N.R.	750	Rain started at 0900 EDT on
Monitoring	minutes	11.11.	750	5/16/22 and ended at 2130
Summary	imitates			EDT on 5/16/22.
<i>J</i>	Date and Time of sample	5/16/22	5/16/22	
	collection	0925	1210	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling	N.R.	0.34	An Additional 0.20 inches
	event, in inches			was recorded after sampling
				was completed for a storm
				total of 0.54 inches.
	Number of hours between event	N.R.	32	Precipitation of 0.22 inches
	sampled and previous			was recorded on 5/15/22 at
	measurable (> 0.1 inch) event			0130 EDT. There was flow
				at the outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA FOR OUTFALL GROUP 4, OUTFALL S34

Danamatan	Monitoring Period		rough ounc 50, 2	Permit No. NY-0000973
Parameter Group	Parameter	Results in mg/L		Compliance Limit
Group	rarameter	First Flush	Flow-weighted	Compliance Limit
		Grab	Composite	
Group A	рН	7.9 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	6.0	N.R.	15 mg/L
	BOD-5	9.8	9.5	Not specified in permit.
	Total Suspended Solids (TSS)	51	6.4	N.R. = Not Required.
	Total Dissolved Solids (TDS)	200	220	7
	Phosphorus, Total	< 0.0050	< 0.0050	7
Group B	Aluminum	3.3	1.4	
Parameters	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	Total Nitrogen (as N)	N.R.	N.R.	
Parameters	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	Date(s) of event monitored	6/09/22	6/09/22	
Event and Monitoring Summary	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	6/09/22	6/09/22	
	collection	0600	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	Parameter	Results in mg/L, mL/L for		Permit No. NY-0000973 Compliance Limit
Group		Settleable Solids		
		First Flush	Flow-weighted	
C A		Grab	Composite	N-4: & - 1 : :4
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	4
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	Total Nitrogen (as N)	0.43	0.86	_
Parameters	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	930	N.R.	
	per minute			
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	6/09/22	6/09/22	
Event and Monitoring Summary	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	6/09/22	6/09/22	
	collection	0615	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
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	28	Total of 0.81 inches. 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

Parameter		Results in mg/L		Permit No. NY-0000973
Group	Parameter	results in ing 2		Compliance Limit
1		First Flush	Flow-weighted	1
		Grab	Composite	
Group A	pН	5.6 S.U.	N.R.	Not specified in permit.
Parameters	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	
Group B Parameters	Aluminum	0.35	0.25	
	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	
Group C	Total Nitrogen (as N)	< 1.1	<2.7	
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	7
	Paraquat Dichloride	N.R.	N.R.	7
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	Date(s) of event monitored	5/16/22	5/16/22	
Event and Monitoring Summary	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	5/16/22	5/16/22	
	collection	0915	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

D.	Wionitoring Period			
Parameter	l n	Results, in mg/L		Permit No. NY-0000973 Compliance Limit
Group	Parameter	First Flush Flow-weighted		
		Grab	Composite	
Group A	pH	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	11	N.R.	15 mg/L
	BOD-5	10	11	Not specified in permit.
	Total Suspended Solids (TSS)	35	20	N.R. = Not Required.
	Total Dissolved Solids (TDS)	180	250	7
	Phosphorus, Total	< 0.0050	< 0.0050	7
Group B Parameters	Aluminum	2.7	1.9	7
	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	Total Nitrogen (as N)	0.89	< 1.1	_
Parameters	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	I	
Rainfall	Date(s) of event monitored	6/09/22	6/09/22	
Event and Monitoring Summary	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	6/09/22	6/09/22	
	collection	0600	0850	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in	N.R.	0.74	An additional 0.07 inches was
	inches			recorded after sampling was completed for a storm total of
				0.81 inches.
	Number of hours between event	NID	20	Precipitation of 0.27 inches
	sampled and previous	N.R.	28	was recorded on 6/07/22 at
	measurable (> 0.1 inch) event			1930 EDT. There was a slight
		l		flow at the outfall upon arrival.