

CH2MHILL • BWXT West Valley, LLC

West Valley Demonstration Project

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

AC-PRES
WD:2019:0011
January 23, 2019

SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period December 1 through December 31, 2018, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for July 1, 2018 through December 31, 2018

REFERENCES: 1) Letter WR:2011:0061, John D. Rendall to C. S. Haugh, "State Pollutant Discharge Elimination System (SPDES) Schedule of Compliance Action for the Water Treatment Chemicals, SPDES Permit No. NY-0000793, West Valley Demonstration Project (WVDP)," dated December 20, 2011

2) 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 December 1 through December 31, 2018 including the Net Iron calculation sheet has been submitted electronically. A copy of this submittal is attached as well as a copy of the email confirmation from the New York State Department of Environmental Conservation (NYSDEC).

Also attached are the results of the storm water monitoring for the period of July 1, 2018 through December 31, 2018, and the Annual Review Certification of the Storm Water Pollution Prevention Plan/Best Management Practices (SWPPP/BMP).

If you have any questions, please contact William Kean at extension 4865 or Janice Williams at extension 2913.

Sincerely,



Scott A. Anderson
President & General Manager

SAA:WNK:bnj

Attachments: A) SPDES DMR for December 1 through December 31, 2018 Monitoring Period
B) Storm Water Discharge Monitoring Results for July 1 through December 31, 2018 Monitoring Period
C) WVDP SPDES Permit "Special Conditions – Industry Best Management Practices," Permittee Certification of the Annual Review
D) Email Confirmation from NYSDEC

cc: T. Taggart, DOE-EMCBC
B. C. Bower, DOE-WVDP
C. Chun, CHBWV
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
L. J. Ortega, CHBWV
J. T. Pillittere, CHBWV (Public Reading Room)
D. H. Pritchard, CHBWV
J. D. Rendall, CHBWV
J. E. Wangelin, CHBWV
J. D. Williams, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS # 1830397

Attachment A

SPDES DMR for December 1 – 31, 2018

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period December 1 through December 31, 2018, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for July 1, 2018 through December 31, 2018

Please note that there was no discharge at outfall 001, 007, 116, Sum N or internal outfall 01B during this period.

In addition to reporting the semi-annual and annual outfall 001 analytical results, CHBWV is also submitting, for your use the analytical results and data for the semi-annual storm water monitoring period of July 1, 2018 through December 31, 2018 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 August 7, August 21, October 4, and October 17, 2018. The on-site pH measured near the site's rain gauge on each of these dates was: 8.2 SU; 8.3 SU; 8.5 SU; and 8.3 SU, respectively.

In addition, semi-annual lead sampling was completed on October 17, 2018 at storm water outfall S43 located at the Live Fire Range with reported results of 0.002 mg/L with an action level of 0.006 mg/L.

Storm Water sampling that was completed on August 7, 2018 included 3 outfalls (S06, S39, and S27) that were not completed during the first semi-annual sampling period of January 1, 2018 through June 30, 2018.

Storm water sampling that was conducted on October 4, 2018 at outfalls S04, S33, S34, and S14 was completed although the duration between storm events was less than the 72 hours as normally required; however, flow at the outfalls had returned to normal base flow conditions (S04 & S34) or had no flow prior to the storm event sampled (S33 & S14).

Storm water sampling that was conducted on October 17, 2018 at outfalls S12 and S37 was completed although the duration between storm events was less than the 72 hours as normally required; however, flow at the outfalls had no flow prior to the storm event sampled.

Please note that, in accordance with the Schedule of Compliance sampling requirements contained on page 23 of 31 of the SPDES permit for Paraquat Dichloride Herbicide (Gramoxone Extra), the site has used herbicides along portions of the railroad spur located onsite during this storm water monitoring period of July 1 through December 31, 2018; and therefore, storm water outfalls that could possibly be effected were analyzed for Paraquat Dichloride.

OUTFALL	DATE	PARAMETER	RESULT	UNITS
S17	7/17/18	Paraquat Dichloride	< 0.002	mg/L
S28	7/17/18	Paraquat Dichloride	< 0.002	mg/L
S34	7/16/18	Paraquat Dichloride	< 0.002	mg/L
S37	7/17/18	Paraquat Dichloride	< 0.002	mg/L
S17	10/11/18	Paraquat Dichloride	< 0.002	mg/L
S28	10/11/18	Paraquat Dichloride	< 0.002	mg/L
S34	10/11/18	Paraquat Dichloride	< 0.002	mg/L
S37	10/11/18	Paraquat Dichloride	< 0.002	mg/L

As required on page 30 of 31 under General Requirements, J.3, Water Treatment Chemicals (WTCs), the WVDP has not used any water treatment chemicals during 2018 and therefore we have not included a WTC Annual Report Form for 2018.

Finally, in accordance with the Special Conditions – Industry Best Management Practices (2) Compliance Deadlines, the WVDP completed the annual review of the BMP/SWPPP as Attachment D. For the annual review that was completed in December 2017 the site indicated that a revision to the document was required due to the expected demolition of the Main Plant Process Building. However, those plans were put on hold and therefore the

revision to the BMP/SWPPP (WVDP-206) was not completed.

-2-

During the review of the BMP/SWPPP that was completed on November 29, 2018 it was determined that a revision to the BMPs is not required at this time. However it was determined that an "update" to the SWPPP and specifically, updates to the site's current conditions regarding various structures onsite as well as the anticipated demolition of several "Ancillary Facilities" that will take place during the 2019 calendar year. Due to the fact that the WVDP's BMP/SWPPP is one document, the Project will forward the "update" to the Regional Water Engineer as indicated on page 18 of 31, under separate cover once it has been completed.

SPDES DISCHARGE MONITORING REPORT - DECEMBER 1 THROUGH DECEMBER 31, 2018
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.

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

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

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

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

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

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

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

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Permitted Feature:

001
External Outfall

Discharge:

001-A
OUTFALL 001 ANNUAL

Report Dates & Status

Monitoring Period:

From 01/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type	
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.00007	<	0.00007	19 - mg/L		01/YR - Annual	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.002 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - COMP24
					Value NODI															
34488	Trichlorofluoromethane	1 - Effluent Gross	0	--	Sample								<	0.0005	<	0.0005	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.01 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
34631	3,3'-Dichlorobenzidine	1 - Effluent Gross	0	--	Sample								<	0.0008	<	0.0008	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.								<=	.005 MO AVG	<=	.01 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
34668	Dichlorodifluoromethane	1 - Effluent Gross	0	--	Sample								<	0.0003	<	0.0003	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.01 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
39337	.alpha.-BHC	1 - Effluent Gross	0	--	Sample								<	0.007	<	0.007	28 - ug/L		01/YR - Annual	GR - GRAB
					Permit Req.								<=	.01 MO AVG		Req Mon DAILY MX	28 - ug/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
39700	Hexachlorobenzene	1 - Effluent Gross	0	--	Sample								<	0.1	<	0.1	28 - ug/L		01/YR - Annual	GR - GRAB
					Permit Req.								<=	.2 MO AVG		Req Mon DAILY MX	28 - ug/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
77819	Tri-n-butyl phosphate	1 - Effluent Gross	0	--	Sample								<	0.0008	<	0.0008	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--	Sample								<	0.005	<	0.005	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.011 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
78356	2-Butanone	1 - Effluent Gross	0	--	Sample								<	0.002	<	0.002	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.5 DAILY MX	19 - mg/L	0	01/YR - Annual	GR - GRAB
					Value NODI															
81551	Xylene [mix of m+o+p]	1 - Effluent Gross	0	--	Sample								<	0.001	<	0.001	19 - mg/L		01/YR - Annual	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.05 DAILY MX	19 - mg/L	0	01/YR - Annual	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:	2019-01-16 07:44 (Time Zone: -05:00)
<i>Report Last Signed By</i>	
User:	janice.williams@chbwv.com
Name:	Janice Williams
E-Mail:	janice.williams@chbwv.com
Date/Time:	2019-01-16 08:22 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Permitted Feature:

001
External Outfall

Discharge:

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

Report Dates & Status

Monitoring Period:

From 12/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	CA - CALCTD
					Permit Req.									Req Mon MO AVG <=		22 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						>=	3 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/BA - Twice Per Batch	GR - GRAB
					Permit Req.															
					Value NODI							C - No Discharge				C - No Discharge				
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG <=		10 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00400	pH	1 - Effluent Gross	0	--	Sample						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/BA - Once Per Batch	GR - GRAB
					Permit Req.															
					Value NODI							C - No Discharge				C - No Discharge				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG <=		.3 DAILY MX	25 - mL/L			
					Value NODI									C - No Discharge		C - No Discharge				
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG <=		15 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG <=		.1 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG <=		.4 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00978	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG <=		.15 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG <=		.005 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample														01/BA - Once Per Batch	GR - GRAB
					Permit Req.									Req Mon MO AVG <=		.004 DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample														02/BA - Twice Per Batch	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L			
					Value NODI									C - No Discharge		C - No Discharge				

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

001-S
OUTFALL 001 SEMI-ANNUAL

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 07/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample								<	0.005	<	0.005	19 - mg/L	0	02/YR - Twice Per Year	GR - GRAB
					Permit Req.									Req Mon MO AVG	<=	.005 DAILY MX	19 - mg/L		02/YR - Twice Per Year	GR - GRAB
					Value NODI															
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample								=	0.023	=	0.023	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	2 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample								<	0.0013	<	0.0013	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.079 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.0096	<	0.0096	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.13 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.001	<	0.001	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.006 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.0016	<	0.0016	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.11 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample								<	0.0017	<	0.0017	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									Req Mon MO AVG	<=	.014 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - COMP24
					Value NODI															
39410	Heptachlor	1 - Effluent Gross	0	--	Sample								<	0.006	<	0.006	28 - ug/L	0	02/YR - Twice Per Year	GR - GRAB
					Permit Req.								<=	.01 MO AVG		Req Mon DAILY MX	28 - ug/L		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

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Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbvw.com

Name:

William Kean

E-Mail:

william.kean@chbvw.com

Date/Time:

2019-01-15 14:03 (Time Zone: -05:00)

Report Last Signed By

User:

janice.williams@chbvw.com

Name:	Janice Williams
E-Mail:	janice.williams@chbwv.com
Date/Time:	2019-01-16 08:22 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

001-U
OUTFALL 001 ACTION LEVELS ANNUAL

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 01/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

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				
01007	Barium, total [as Ba]	V - See Comments	0	--	Sample										=	0.01	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.										<=	.5 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - COMP24
					Value NODI															
01097	Antimony, total [as Sb]	V - See Comments	0	--	Sample										<	0.0068	19 - mg/L	01/YR - Annual	24 - COMP24	
					Permit Req.										<=	1 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - COMP24
					Value NODI															
32106	Chloroform	V - See Comments	0	--	Sample										<	0.0005	19 - mg/L	01/YR - Annual	GR - GRAB	
					Permit Req.										<=	.3 DAILY MX	19 - mg/L	0	01/YR - Annual	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:

2019-01-15 14:04 (Time Zone: -05:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-01-16 08:22 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

001-V
OUTFALL 001 ACTION LEVELS SEMI-ANNUAL

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 07/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	
01022	Boron, total [as B]	V - See Comments	0	--	Sample									=	0.055	19 - mg/L	
					Permit Req.									<=	2 DAILY MX	19 - mg/L	0
					Value NODI												
01152	Titanium, total [as Ti]	V - See Comments	0	--	Sample									<	0.0011	19 - mg/L	
					Permit Req.									<=	.65 DAILY MX	19 - mg/L	0
					Value NODI												
71870	Bromide [as Br]	V - See Comments	0	--	Sample									<	0.37	19 - mg/L	
					Permit Req.									<=	5 DAILY MX	19 - mg/L	0
					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. This is a corrected DMR as the originally reported result of <0.00037 was reported in ug/L. The correct result should be <0.37 mg/L as required on the DMR.

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Date/Time:

2019-01-21 15:26 (Time Zone: -05:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-01-21 15:31 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

007
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

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 12/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	CA - CALCTD
					Permit Req. Value NODI								Req Mon MO AVG	<=	22 DAILY MX	19 - mg/L				
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI					>=	3 MINIMUM					Req Mon MAXIMUM	19 - mg/L			
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	24 - COMP24
					Permit Req. Value NODI								Req Mon MO AVG	<=	10 DAILY MX	19 - mg/L				
00400	pH	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI					>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU				
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	24 - COMP24
					Permit Req. Value NODI								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L			
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI								Req Mon MO AVG	<=	.3 DAILY MX	25 - mL/L				
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI								Req Mon MO AVG	<=	15 DAILY MX	19 - mg/L				
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	24 - COMP24
					Permit Req. Value NODI								Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L				
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	24 - COMP24
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	24 - COMP24
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	24 - COMP24
					Permit Req. Value NODI								<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	CN - CONTIN
					Permit Req. Value NODI		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req. Value NODI								Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L				
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample														02/30 - Twice Per Month	GR - GRAB
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample														01/30 - Monthly	GR - GRAB
					Permit Req. Value NODI								Req Mon MO AVG	<=	50 DAILY MX	3M - ng/L				

Submission Note

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

Edit Check Errors	
No errors.	
Comments	
Attachments	
No attachments.	
Report Last Saved By	
U.S. DEPT OF ENERGY	
User:	william.kean@chbww.com
Name:	William Kean
E-Mail:	william.kean@chbww.com
Date/Time:	2019-01-15 14:05 (Time Zone: -05:00)
Report Last Signed By	
User:	janice.williams@chbww.com
Name:	Janice Williams
E-Mail:	janice.williams@chbww.com
Date/Time:	2019-01-16 08:22 (Time Zone: -05:00)

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

001
External Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

001-V
OUTFALL 001 ACTION LEVELS SEMI-ANNUAL

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 07/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

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
01022	Boron, total [as B]	V - See Comments	0	--	Sample									=	0.055	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.								<=	2 DAILY MX	19 - mg/L				
					Value NODI														
01152	Titanium, total [as Ti]	V - See Comments	0	--	Sample									<	0.0011	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									<=	.65 DAILY MX	19 - mg/L			
					Value NODI														
71870	Bromide [as Br]	V - See Comments	0	--	Sample									<	0.37	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Permit Req.									<=	5 DAILY MX	19 - mg/L			
					Value NODI														

Submission Note

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

Edit Check Errors

No errors.

Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(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. This is a corrected DMR as the originally reported result of <0.00037 was reported in ug/L. The correct result should be <0.37 mg/L as required on the DMR.

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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2019-01-21 15:26 (Time Zone: -05:00)

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Name:

Janice Williams

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janice.williams@chbwv.com

Date/Time:

2019-01-21 15:31 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Permitted Feature:

01B
Internal Outfall

Discharge:

01B-M
MERCURY PRETREATMENT

Report Dates & Status

Monitoring Period:

From 12/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	Flow rate	1 - Effluent Gross	0	--	Sample														
					Permit Req.	Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/07 - Weekly	CN - CONTIN
					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 DAILY MX	3M - ng/L			02/BA - Twice 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

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Date/Time:

2019-01-15 14:07 (Time Zone: -05:00)

Report Last Signed By

User:

janice.williams@chbwv.com

Name:

Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-01-16 08:22 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Permitted Feature:

116
Internal Outfall

Discharge:

116-M
PSEUDO MON. POINT @FRANKS CRK

Report Dates & Status

Monitoring Period:

From 12/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

IF PSUEDO MONITORING POINT REPORT IS NOT REQUIRED DURING THE MONITORING PERIOD, EITHER CHECK THENO DISCHARGE BOX OR ENTER 'NODI A'IN PLACE OF A MEASUREMENT TO INDICATE A GENERAL PERMIT EXEMPTION.

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3			
70295	Solids, total dissolved	Z - Instream Monitoring	0	--		Sample													
						Permit Req.								Req Mon MO AVG	<=	500 DAILY MX	19 - mg/L		
						Value NODI								C - No Discharge		C - No Discharge			

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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Name:

William Kean

E-Mail:

william.kean@chbvw.com

Date/Time:

2019-01-15 14:07 (Time Zone: -05:00)

Report Last Signed By

User:

janice.williams@chbvw.com

Name:

Janice Williams

E-Mail:

janice.williams@chbvw.com

Date/Time:

2019-01-16 08:22 (Time Zone: -05:00)

DMR Copy of Record

Permit

Permit #:

NY0000973

Major:

Yes

Permitted Feature:

SUM
Internal Outfall

Permittee:

U.S. DEPT OF ENERGY

Permittee Address:

1000 INDEPENDENCE AVE SW
WASHINGTON, DC 20585

Discharge:

SUM-N
SUM OF OUTFALLS 1 & 7

Facility:

WEST VALLEY DEMONSTRATION PROJ

Facility Location:

10282 ROCK SPRINGS ROAD
WEST VALLEY, NY 14171-9799

Report Dates & Status

Monitoring Period:

From 12/01/18 to 12/31/18

DMR Due Date:

01/28/19

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Bryan C.

Last Name:

Bower

Title:

Director, USDOE-WVDP

Telephone:

716-942-4368

No Data Indicator (NODI)

Form NODI:

--

Parameter	Monitoring Location	Season #	Param. NODI		Quantity or Loading	Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type					
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe]	2 - Effluent Net	0	--	Sample														
					Permit Req.								Req Mon MO AVG	<=	1 DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCTD
					Value NODI								C - No Discharge		C - No Discharge				

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
WVDP_December_2018_Net_Iron_Calculation.pdf	pdf	23278

Report Last Saved By

U.S. DEPT OF ENERGY

User:

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William Kean

E-Mail:

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Date/Time:

2019-01-15 14:08 (Time Zone: -05:00)

Report Last Signed By

User:

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Janice Williams

E-Mail:

janice.williams@chbwv.com

Date/Time:

2019-01-16 08:22 (Time Zone: -05:00)

Attachment B

**Storm Water Discharge Monitoring Results for
July 1 through December 31, 2018
Monitoring Period**

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

Monitoring Period: January 1 through June 30, 2018*

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	2.3	N.R.	15 mg/L
	BOD-5	8.3	3.4	Not specified in permit. N.R. = Not Required. *Please see synopsis regarding this outfall.
	Total Suspended Solids (TSS)	76	20	
	Total Dissolved Solids (TDS)	630	500	
	Phosphorus, Total	0.32	0.085	
Group B Parameters	Aluminum	0.23	0.33	
	Iron	4.6	2.3	
	Copper, Total Recoverable (TR)	0.0020	0.0021	
	Lead (TR)	< 0.00050	0.0012	
	Zinc (TR)	0.045	0.010	
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)	0.012	0.014	
	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.	27,000	
	Maximum Flow rate, gallons per minute	280	N.R.	
	Method of flow measurement	ISCO Flow Meter		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	08/07/18	08/07/18	
	Duration of storm event, in minutes	N.R.	210	Rain started at 1145 EDT on 8/7/18 and ended at 1515 EDT on 8/7/18.
	Date and Time of sample collection	08/07/18 1455	08/07/18 1740	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.57	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	187	Precipitation of 0.44 inches was recorded on 7/30/18 at 1645 EDT. Outfall was at base flow conditions.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 6, OUTFALL S39**

Monitoring Period: January 1 through June 30, 2018*

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	< 1.4	N.R.	15 mg/L
	BOD-5	2.9	2.7	Not specified in permit. N.R. = Not required. *Please see synopsis regarding this outfall.
	Total Suspended Solids (TSS)	580	670	
	Total Dissolved Solids (TDS)	570	580	
	Phosphorus, Total	1.5	0.95	
Group B Parameters	Aluminum	35	25	
	Iron	41	28	
	Copper, Total Recoverable (TR)	0.025	0.022	
	Lead (TR)	0.013	0.011	
	Zinc (TR)	0.10	0.12	
Group C Parameters	Total Nitrogen (as N)	< 2.1	2.5	
	TKN	1.6	1.7	
	Nitrate Nitrogen (as N)	0.46	0.74	
	Nitrite Nitrogen (as N)	< 0.020	0.026	
	Ammonia Nitrogen (as NH3)	0.11	0.11	
	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	0.023	0.024	
	Surfactant (as LAS)	< 0.013	< 0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	3.7	0.6	
	Sulfide	< 0.050	< 0.050	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	58,000	
	Maximum Flow rate, gallons per minute	1,600	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	8/7/18	8/7/18	
	Duration of storm event, in minutes	N.R.	210	Rain started at 1145 EDT on 8/7/18 and ended at 1515 EDT on 8/7/18.
	Date and Time of sample collection	8/7/18 1500	8/7/18 1600	
	Sampling Duration (Minutes)	Instantaneous	80	
	Total rainfall during sampling event, in inches	N.R.	0.57	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	187	Precipitation of 0.44 inches was recorded on 7/30/18 at 1645 EDT. No flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 8, OUTFALL S27
Monitoring Period: January 1 through June 30, 2018***

Parameter Group	Parameter	Results, in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.7 S.U.	N.R.	Not specified in permit.
	Oil and Grease	< 1.4	N.R.	15 mg/L
	BOD-5	2.8	3.4	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	260	48	
	Total Dissolved Solids (TDS)	330	160	*Please see synopsis regarding this outfall.
	Phosphorus, Total	1.1	0.18	
Group B Parameters	Aluminum	19	2.1	
	Iron	27	2.2	
	Copper, Total Recoverable (TR)	0.022	0.0050	
	Lead (TR)	0.052	0.0024	
	Zinc (TR)	0.12	0.013	
Group C Parameters	Total Nitrogen (as N)	< 2.4	< 1.2	
	TKN	1.5	1.1	
	Nitrate Nitrogen (as N)	0.89	0.099	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.11	0.076	
	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	0.019	
	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.	31,000	
	Maximum Flow rate, gallons per minute	450	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	8/7/18	8/7/18	
	Duration of storm event, in minutes	N.R.	210	Rain started at 1145 EDT on 8/7/18 and ended at 1515 EDT on 8/7/18.
	Date and Time of sample collection	8/7/18 1445	8/7/18 1735	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.57	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	187	Precipitation of 0.44 inches was recorded on 7/30/18 at 1645 EDT. There was no flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 1, OUTFALL S04
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.6 S.U.	N.R.	Not Specified in Permit
	Oil and Grease	5.0	N.R.	15 mg/L
	BOD-5	2.0	2.2	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	92	68	
	Total Dissolved Solids (TDS)	480	190	
	Phosphorus, Total	0.10	0.15	
Group B Parameters	Aluminum	3.2	2.0	
	Iron	5.1	2.7	
	Copper, Total Recoverable (TR)	0.0077	0.0045	
	Lead (TR)	0.0064	0.0044	
	Zinc (TR)	0.046	0.026	
Group C Parameters	Total Nitrogen (as N)	< 0.58	< 0.29	
	TKN	0.31	0.16	
	Nitrate Nitrogen (as N)	0.25	0.11	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.034	0.037	
	Cadmium, TR	0.00010	< 0.000071	
	Chromium, TR	0.0050	0.0022	
	Hexavalent Chromium, TR	< 0.0050	< 0.0050	
	Selenium, TR	< 0.00044	< 0.00044	
	Vanadium, TR	0.010	0.0042	
	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.	2,100,000	
	Maximum Flow rate, gallons per minute	21,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/4/18	10/4/18	
	Duration of storm event, in minutes	N.R.	255	Rain started at 0800 EDT on 10/4/18 and ended at 1215 EDT on 10/4/18.
	Date and Time of sample collection	10/4/18 0830	10/4/18 1110	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.83	An Additional 0.05 inches was recorded after sampling at this outfall was completed for a storm total of 0.88 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	40	Precipitation of 1.41 inches was recorded on 10/2/18 at 1615 EDT. Outfall was at base flow conditions.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 2, OUTFALL S33
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.2 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	4.1	N.R.	15 mg/L
	BOD-5	5.2	2.3	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	69	34	
	Total Dissolved Solids (TDS)	290	920	
	Phosphorus, Total	0.33	0.17	
Group B Parameters	Aluminum	0.72	0.46	
	Iron	15	3.2	
	Copper, Total Recoverable (TR)	0.0016	0.0010	
	Lead (TR)	0.0018	0.00067	
	Zinc (TR)	0.017	0.012	
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)	0.033	0.035	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
Flow	Paraquat Dichloride	N. R.	N.R.	
	Total Flow, gallons	N.R.	210,000	
	Maximum Flow rate, gallons per minute	1800	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/4/18	10/4/18	
	Duration of storm event, in minutes	N.R.	255	Rain started at 0800 EDT on 10/4/18 and ended at 1215 EDT on 10/4/18.
	Date and Time of sample collection	10/4/18 0835	10/4/18 1115	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.83	An additional 0.05 inches was recorded after sampling at this outfall was completed for a storm total of 0.88 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	40	Precipitation of 1.41 inches was recorded on 10/2/18 at 1615 EDT. There was no flow at the outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 3, OUTFALL S12
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results in mg/L, Mercury, total in ng/L via method 1631		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.5 S.U.	N.R.	Not specified in permit.
	Oil and Grease	8.0	N.R.	15 mg/L
	BOD-5	< 2.0	4.5	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	30	31	
	Total Dissolved Solids (TDS)	600	550	
	Phosphorus, Total	0.066	0.12	
Group B Parameters	Aluminum	1.2	1.5	
	Iron	1.9	2.1	
	Copper, Total Recoverable (TR)	0.0039	0.0042	
	Lead (TR)	0.0020	0.0027	
	Zinc (TR)	0.018	0.018	
Group C Parameters	Total Nitrogen (as N)	< 0.41	< 0.60	
	TKN	<0.15	0.29	
	Nitrate Nitrogen (as N)	0.24	0.29	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.12	0.18	
	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	<0.0000063	< 0.0000066	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Mercury, Total (ng/L)	19.3	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	32,000	
	Maximum Flow rate, gallons per minute	270	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/17/18	10/17/18	
	Duration of storm event, in minutes	N.R.	705	Rain started at 0800 EDT on 10/17/18 and ended at 1945 EDT on 10/17/18.
	Date and Time of sample collection	10/17/18 1145	10/17/18 1430	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.34	An additional 0.18 inches was recorded after sampling was completed for a storm total of 0.52 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	38	Precipitation of 0.25 inches was recorded on 10/15/18 at 1800 EDT. Outfall was at base flow conditions.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 4, OUTFALL S34
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.7 S.U.	N.R.	Not specified in permit.
	Oil and Grease	5.0 / 5.1	N.R.	15 mg/L
	BOD-5	< 2.0 / < 2.0	2.8	Not specified in permit. N.R. = Nor Required.
	Total Suspended Solids (TSS)	180 / 130	140	
	Total Dissolved Solids (TDS)	270 / 240	110	
	Phosphorus, Total	0.44 / 0.18	0.42	
Group B Parameters	Aluminum	8.2 / 8.6	9.2	
	Iron	9.7 / 10	8.3	
	Copper, Total Recoverable (TR)	0.014 / 0.014	0.010	
	Lead (TR)	0.014 / 0.014	0.0091	
	Zinc (TR)	0.11 / 0.12	0.086	
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)	0.037 / 0.040	0.015	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	< 0.002	N.R.	
Flow	Total Flow, gallons	N.R.	1,800,000	
	Maximum Flow Rate, gallons per minute	17,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/4/18	10/4/18	
	Duration of storm event, in minutes	N.R.	255	Rain started at 0800 EDT on 10/4/18 and ended at 1215 EDT on 10/4/18.
	Date and Time of sample collection	10/4/18 0830	10/4/18 1110	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.83	An additional 0.05 inches was recorded after sampling at this outfall was completed for a storm total of 0.88 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	40	Precipitation of 1.41 inches was recorded on 10/2/18 at 1615 EDT. Outfall was at base flow conditions upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 5, OUTFALL S14**

Monitoring Period: July 1 through December 31, 2018

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	7.2 S.U.	N.R.	Not specified in permit.
	Oil and Grease	3.6	N.R.	15 mg/L
	BOD-5	< 2.0	2.9	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	11	29	
	Total Dissolved Solids (TDS)	520	240	
	Phosphorus, Total	0.048	0.031	
Group B Parameters	Aluminum	< 0.060	0.44	
	Iron	2.0	3.0	
	Copper, Total Recoverable (TR)	0.00051	0.0015	
	Lead (TR)	< 0.00017	0.00055	
	Zinc (TR)	0.0030	0.0054	
Group C Parameters	Total Nitrogen (as N)	< 0.48	< 0.63	
	TKN	0.44	0.59	
	Nitrate Nitrogen (as N)	< 0.020	< 0.020	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.059	0.043	
	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	< 0.0012	0.0012	
	Surfactant (as LAS)	0.037	0.033	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.4	0.3	
	Sulfide	< 0.050	< 0.050	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	1,700	
	Maximum Flow rate, gallons per minute	18	N.R.	
	Method of flow measurement	Weir		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/4/18	10/4/18	
	Duration of storm event, in minutes	N.R.	255	Rain started at 0800 EDT on 10/4/18 and ended at 1215 EDT on 10/4/18.
	Date and Time of sample collection	10/4/18 0815	10/4/18 1100	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.83	An additional 0.05 inches was recorded after sampling was completed for a storm total of 0.88 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	40	Precipitation of 1.41 inches was recorded on 10/2/18 at 1615 EDT. No flow at Outfall upon arrival.

STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 6, OUTFALL S37
Monitoring Period: July 1 through December 31, 2018

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	3.8	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	18	24	
	Total Dissolved Solids (TDS)	310	300	
	Phosphorus, Total	0.057	0.040	
Group B Parameters	Aluminum	1.3	0.38	
	Iron	1.0	0.36	
	Copper, Total Recoverable (TR)	0.0022	0.0027	
	Lead (TR)	0.00053	0.00060	
	Zinc (TR)	0.0044	0.0051	
Group C Parameters	Total Nitrogen (as N)	< 0.38	< 0.82	
	TKN	< 0.15	0.17	
	Nitrate Nitrogen (as N)	0.21	0.63	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.065	0.090	
	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	0.0014	0.0019	
	Surfactant (as LAS)	0.030	0.031	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	< 0.1	< 0.1	
	Sulfide	< 0.050	< 0.050	
	Paraquat Dichloride	< 0.002	N.R.	
Flow	Total Flow, gallons	N.R.	1,500	
	Maximum Flow rate, gallons per minute	10	N.R.	
	Method of flow measurement	Staff gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/17/18	10/17/18	
	Duration of storm event, in minutes	N.R.	705	Rain started at 0800 EST on 10/17/18 and ended at 1945 EST on 10/17/18.
	Date and Time of sample collection	10/17/18 1200	10/17/18 1450	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.35	An additional 0.17 inches was recorded after sampling was completed for a storm total of 0.52 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	38	Precipitation of 0.25 inches was recorded on 10/15/18 at 1800 EDT. No flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 7, OUTFALL S20
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.6 S.U.	N.R.	Not specified in permit.
	Oil and Grease	2.1 *	N.R.	15 mg/L
	BOD-5	4.3	< 2.0	Not specified in permit. N.R. = Not required. * Note: the result was flagged "R" unreliable during the data validation process
	Total Suspended Solids (TSS)	67	18	
	Total Dissolved Solids (TDS)	47	13	
	Phosphorus, Total	0.047	0.040	
Group B Parameters	Aluminum	5.7	0.99	
	Iron	6.1	0.88	
	Copper, Total Recoverable (TR)	0.0040	0.0038	
	Lead (TR)	0.0019	< 0.00098	
	Zinc (TR)	0.015	0.0096	
Group C Parameters	Total Nitrogen (as N)	1.2	< 0.37	
	TKN	0.65	0.23	
	Nitrate Nitrogen (as N)	0.56	0.12	
	Nitrite Nitrogen (as N)	0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.096	< 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	N.R.	N.R.	
	Surfactant (as LAS)	0.038	< 0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	< 0.050	< 0.050	
Flow	Paraquat Dichloride	N.R.	N.R.	
	Total Flow, gallons	N.R.	90,000	
	Maximum Flow rate, gallons per minute	900	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	8/21/18	8/21/18	
	Duration of storm event, in minutes	N.R.	690	Rain started at 0915 EDT on 8/21/18 and ended at 2045 EDT on 8/21/18.
	Date and Time of sample collection	8/21/18 0945	8/21/18 1230	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.45	An additional 0.37 inches was recorded after sampling at this outfall was completed for a storm total of 0.82 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	73	Precipitation of 0.84 inches was recorded on 8/18/18 at 0815 EDT. Base flow at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 8, OUTFALL S35
Monitoring Period: July 1 through December 31, 2018**

Parameter Group	Parameter	Results, in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	8.2 S.U.	N.R.	Not specified in permit.
	Oil and Grease	< 1.4 *	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit. N.R. = Not Required. *Please note that the result was flagged "R" unreliable during the data validation process.
	Total Suspended Solids (TSS)	330	28	
	Total Dissolved Solids (TDS)	230	230	
	Phosphorus, Total	0.44	0.032	
Group B Parameters	Aluminum	14	2.4	
	Iron	17	1.9	
	Copper, Total Recoverable (TR)	0.013	0.0031	
	Lead (TR)	0.020	0.0022	
	Zinc (TR)	0.053	0.024	
Group C Parameters	Total Nitrogen (as N)	< 1.6	< 1.1	
	TKN	1.0	0.92	
	Nitrate Nitrogen (as N)	0.62	0.13	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.026	0.016	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	< 0.013	0.025	
	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.	10,000	
	Maximum Flow rate, gallons per minute	86	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	08/21/18	08/21/18	
	Duration of storm event, in minutes	N.R.	690	Rain started at 0915 EDT on 8/21/18 and ended at 2045 EDT on 8/21/18.
	Date and Time of sample collection	08/21/18 1000	08/21/18 1245	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.45	An additional 0.37 inches recorded after sampling at this outfall was completed for a storm total of 0.82 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	73	Precipitation of 0.84 inches was recorded on 8/18/18 at 0815 EDT. There was no flow at outfall upon arrival.

Attachment C

**WVDP SPDES Permit “Special Conditions – Industry Best Management Practices,”
Permittee Certification of Annual Review**

**WVDP SPDES Permit "Special Conditions – Industry Best Management Practices,"
Permittee Certification of Annual Review**

I certify under penalty of law that the annual review of the Clean Water Act /SPDES Best Management Practices (BMP) and Storm Water Pollution Prevention Plan (SWPPP) for the WVDP (WVDP-206) was completed by December 31, 2018, as per the "Special Conditions – Industry Best Management Practices" section of the SPDES Permit.



Bryan C. Bower, Project Director
U.S. Department of Energy
West Valley Demonstration Project

12-12-2018

Date

Attachment D

Email Confirmation from NYSDEC

Bonnie Jeffery

From: netdmr-notification@epa.gov
Sent: Wednesday, January 16, 2019 11:32 AM
To: ewwohlers@cattco.org; christine.lee@chbwv.com; jason.casper@chbwv.com; Moira Maloney; R9.NetDMR@dec.ny.gov; William Kean; james.baker@chbwv.com; lynette.bennett@chbwv.com; Bonnie Jeffery; Amanda Steiner; Janice Williams; jennifer.dundas@wv.doe.gov
Subject: NetDMR DMR(s) Submittal Passed for: NY0000973

The following signed 10 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _7ba98bd0-ab1e-446c-bf1c-662ec2ca6372

User ID: janice.williams@chbwv.com

Timestamp: 01/16/2019 08:22:06

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: A - OUTFALL 001 ANNUAL
Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: M - OUTFALL 001 MONTHLY PROC WW, GW, STORM Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: S - OUTFALL 001 SEMI-ANNUAL
Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: U - OUTFALL 001 ACTION LEVELS ANNUAL Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: V - OUTFALL 001 ACTION LEVELS SEMI-ANNUAL Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007
Discharge: M - SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 007
Discharge: V - OUTFALL 007 ANNUAL MONITORING Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK Monitoring Period End Date: 12/31/18

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature:
SUM

Discharge: N - SUM OF OUTFALLS 1 & 7

Monitoring Period End Date: 12/31/18

Thank you.

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

Bonnie Jeffery

From: netdmr-notification@epa.gov
Sent: Monday, January 21, 2019 4:33 PM
To: ewwohlers@cattco.org; christine.lee@chbwv.com; jason.casper@chbwv.com; Moira Maloney; R9.NetDMR@dec.ny.gov; William Kean; james.baker@chbwv.com; lynette.bennett@chbwv.com; Bonnie Jeffery; Amanda Steiner; Janice Williams; jennifer.dundas@wv.doe.gov
Subject: NetDMR DMR(s) Submittal Passed for: NY0000973

The following signed 1 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _c59754c2-cac7-466d-9e4a-8d7357ec1bcc

User ID: janice.williams@chbwv.com

Timestamp: 01/21/2019 15:31:31

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ Permit ID: NY0000973 Permitted Feature: 001
Discharge: V - OUTFALL 001 ACTION LEVELS SEMI-ANNUAL Monitoring Period End Date: 12/31/18

Thank you.

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