

CH2MHILL • BWXT West Valley, LLC

West Valley Demonstration Project

Ms. Bridget M. Purdy, Contracting Officer
U.S. Department of Energy
West Valley Demonstration Project
10282 Rock Springs Road
West Valley, New York 14171

AC-PRES
WD:2018:0073
January 23, 2018

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, 2017, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for July 1, 2017 through December 31, 2017

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

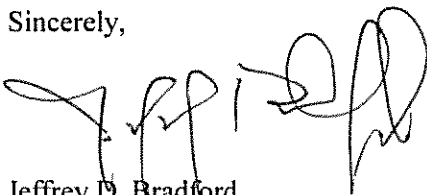
Dear Ms. Purdy:

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, 2017 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, 2017 through December 31, 2017, the Annual Water Treatment Chemical Usage Report and the Annual Review Certification of the SWPPP/BMP.

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

Sincerely,



Jeffrey D. Bradford
President & General Manager

JDB:WNK:bnj

- Attachments:**
- A) SPDES DMR for December 1 through December 31, 2017 Monitoring Period
 - B) Storm Water Discharge Monitoring Results for July 1 through December 31, 2017 Monitoring Period
 - C) Annual Water Treatment Chemical Usage Report for Calendar Year 2017
 - D) WVDP SPDES Permit "Special Conditions – Industry Best Management Practices," Permittee Certification of the Annual Review
 - E) Email Confirmation from NYSDEC

cc: W. Delgado, DOE-EMCBC
T. Taggart, DOE-EMCBC
B. C. Bower, DOE-WVDP
S. A. Anderson, CHBWV
J. J. Baker, CHBWV
J. L. Casper, CHBWV
C. Dayton, CHBWV (Public Reading Room)
N. Feher, CHBWV
L. K. Hollfelder, CHBWV
W. N. Kean, CHBWV
C. B. Lee, CHBWV
L. J. Ortega, CHBWV
D. H. Pritchard, CHBWV
J. E. Wangelin, CHBWV
J. D. Williams, CHBWV
Letter Log (B. Jeffery), CHBWV
CHBWV OITS #1730340

SYNOPSIS

State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period December 1 through December 31, 2017, SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Storm Water Monitoring Results for July 1, 2017 through December 31, 2017

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, 2017 through December 31, 2017 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 21, September 14, October 11, and November 16 2017. The on-site pH measured near the site's rain gauge on each of these dates was: 9.9 SU; 8.4 SU; 7.2 SU; and 6.0 SU, respectively.

In addition, semi-annual lead sampling was completed on September 14, 2017 at storm water outfall S-43 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 conducted on October 11, 2017 at outfalls S12 and S17 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 (S-12) or had no flow prior to the storm event sampled (S-17).

Please note that, in accordance with the Schedule of Compliance sampling requirements contained on page 23 of 31 for Paraquat Dichloride Herbicide (Gramoxone Extra), the site has not used herbicides during this storm water monitoring period of July 1 through December 31, 2017; and therefore, storm water outfalls were not analyzed for Paraquat Dichloride.

As required on page 30 of 31 under General Requirements, J.3, Water Treatment Chemicals (WTCs), the site has included Attachment C, WTC Annual Report Form for 2017. Please note that the WVDP did not use any water treatment chemicals in 2017.

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. The annual review completed in December 2017 indicates that a revision to the document will be required. The revision will be forwarded to the Regional Water Engineer as indicated on page 18 of 31, under separate cover once it has been completed.

As required in Title 6 of the New York Codes, Rules, and Regulations (6NYCRR) Part 750-2.5(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) numbers for the laboratories performing analysis for this DMR are as follows:

1. TestAmerica - Buffalo: NY Lab No. 10026; and
2. General Engineering Laboratories: NY Lab No. 11501.

Attachment A

SPDES DMR for December 1 – 31, 2017

DMR Copy of Record

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

Report Dates & Status					
Monitoring Period:	From 01/01/17 to 12/31/17	DMR Due Date:	01/28/18	Status:	NetDMR Validated

Considerations for Form Completion

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

No Data Indicator (NODI)

Form NODI:																		
Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Sample Permit Req. Value NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
01113	Cadmium, total recoverable	1 - Effluent Gross	0	--								<	0.00007	<	0.00007	19 - mg/L	01/YR - Annual	24 - COMP24
34488	Trichlorofluoromethane	1 - Effluent Gross	0	--								<	0.0005	<	0.0005	19 - mg/L	01/YR - Annual	GR - GRAB
34631	3,3'-Dichlorobenzidine	1 - Effluent Gross	0	--								<	0.004	<	0.004	19 - mg/L	01/YR - Annual	GR - GRAB
34668	Dichlorodifluoromethane	1 - Effluent Gross	0	--								<	0.0003	<	0.0003	19 - mg/L	01/YR - Annual	GR - GRAB
39337	.alpha.-BHC	1 - Effluent Gross	0	--								<	0.007	<	0.0007	28 - ug/L	01/YR - Annual	GR - GRAB
39700	Hexachlorobenzene	1 - Effluent Gross	0	--								<	0.02	<	0.02	28 - ug/L	01/YR - Annual	GR - GRAB
77819	Tri-n-butyl phosphate	1 - Effluent Gross	0	--								<	0.004	<	0.004	19 - mg/L	01/YR - Annual	GR - GRAB
78247	Chromium, hexavalent tot recoverable	1 - Effluent Gross	0	--								<	0.005	<	0.005	19 - mg/L	01/YR - Annual	GR - GRAB
78356	2-Butanone	1 - Effluent Gross	0	--								<	0.002	<	0.002	19 - mg/L	01/YR - Annual	GR - GRAB
81551	Xylene [mix of m+o+p]	1 - Effluent Gross	0	--								<	0.001	<	0.001	19 - mg/L	01/YR - Annual	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@chbvw.com
Name: William Kean
E-Mail: william.kean@chbvw.com

Date/Time: 2018-01-22 09:00 (Time Zone: -05:00)

Report Last Signed By

User: janice.williams@chbwv.com

Name: Janice Williams

E-Mail: janice.williams@chbwv.com

Date/Time: 2018-01-22 09:01 (Time Zone: -05:00)

DMR Copy of Record

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

Report Dates & Status					
Monitoring Period:	From 07/01/17 to 12/31/17	DMR Due Date:	01/28/18	Status:	NetDMR Validated

Considerations for Form Completion

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

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3			
00722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0	--	Sample						<	0.005	<	0.005	19 - mg/L	02/YR - Twice Per Year	GR - GRAB
					Permit Req.						Req Mon MO AVG <=	.005 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	GR - GRAB	
					Value NODI												
01055	Manganese, total [as Mn]	1 - Effluent Gross	0	--	Sample						=	0.043	=	0.043	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	2 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
01067	Nickel, total [as Ni]	1 - Effluent Gross	0	--	Sample						=	0.0023	=	0.0023	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	.079 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
01094	Zinc, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.0047	=	0.0047	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	.13 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
01114	Lead, total recoverable	1 - Effluent Gross	0	--	Sample						<	0.0002	<	0.0002	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	.006 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
01118	Chromium, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.0014	=	0.0014	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	.11 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
01119	Copper, total recoverable	1 - Effluent Gross	0	--	Sample						=	0.0022	=	0.0022	19 - mg/L	02/YR - Twice Per Year	24 - COMP24
					Permit Req.						Req Mon MO AVG <=	.014 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24	
					Value NODI												
39410	Heptachlor	1 - Effluent Gross	0	--	Sample						<	0.007	<	0.007	28 - ug/L	02/YR - Twice Per Year	GR - GRAB
					Permit Req.						<=	.01 MO AVG	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.

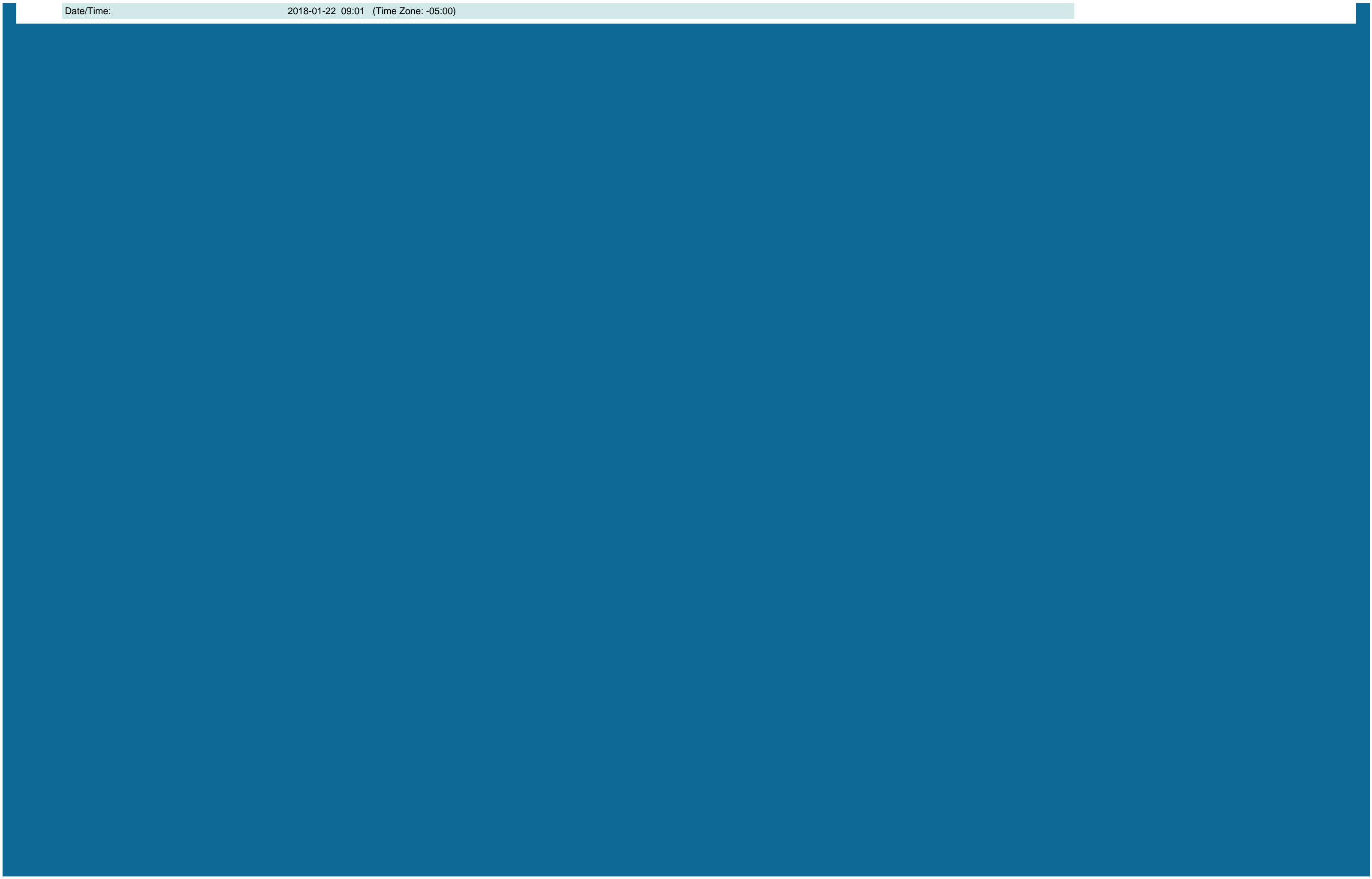
Comments

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: 2018-01-22 09:00 (Time Zone: -05:00)

Report Last Signed By
User: janice.williams@chbvw.com
Name: Janice Williams
E-Mail: janice.williams@chbvw.com



DMR Copy of Record

Permit

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

Report Dates & Status

Monitoring Period:	From 01/01/17 to 12/31/17	DMR Due Date:	01/28/18	Status:	NetDMR Validated
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Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration				# of Ex.	Frequency of Analysis	Sample Type					
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2				Qualifier 3	Value 3	Units		
01007	Barium, total [as Ba]	V - See Comments	0	--	Sample									=	0.021	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									<	0.00054	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

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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: 2018-01-22 09:00 (Time Zone: -05:00)

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 Name: Janice Williams
 E-Mail: janice.williams@chbwv.com
 Date/Time: 2018-01-22 09:01 (Time Zone: -05:00)

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Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	001 External Outfall	Discharge:	001-V OUTFALL 001 ACTION LEVELS SEMI-ANNUAL		

Report Dates & Status

Monitoring Period:	From 07/01/17 to 12/31/17	DMR Due Date:	01/28/18	Status:	NetDMR Validated
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Considerations for Form Completion

SEE PERMIT FOR REPORTING REQUIREMENTS

Principal Executive Officer

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

No Data Indicator (NODI)

Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading			Quality or Concentration			# of Ex.	Frequency of Analysis	Sample Type								
						Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1				Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
01022	Boron, total [as B]	V - See Comments	0	--	Sample							=	0.055	19 - mg/L	02/YR - Twice Per Year	24 - COMP24						
					Permit Req.												<=	2 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI																	
01152	Titanium, total [as Ti]	V - See Comments	0	--	Sample							<	0.0011	19 - mg/L	02/YR - Twice Per Year	24 - COMP24						
					Permit Req.												<=	.65 DAILY MX	19 - mg/L	0	02/YR - Twice Per Year	24 - COMP24
					Value NODI																	
71870	Bromide [as Br]	V - See Comments	0	--	Sample							<	0.37	19 - mg/L	02/YR - Twice Per Year	24 - COMP24						
					Permit Req.												<=	5 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

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: 2018-01-22 09:00 (Time Zone: -05:00)

Report Last Signed By

User: janice.williams@chbwv.com
 Name: Janice Williams
 E-Mail: janice.williams@chbwv.com
 Date/Time: 2018-01-22 09:01 (Time Zone: -05:00)

Edit Check Errors

No errors.

Comments

Attachments

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U.S. DEPT OF ENERGY

User: william.kean@chbwv.com
Name: William Kean
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Date/Time: 2018-01-22 09:00 (Time Zone: -05:00)

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Date/Time: 2018-01-22 09:01 (Time Zone: -05:00)

DMR Copy of Record

Permit																	
Permit #:	NY0000973	Permittee:	U.S. DEPT OF ENERGY					Facility:	WEST VALLEY DEMONSTRATION PROJ								
Major:	Yes	Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585					Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799								
Permitted Feature:	116 Internal Outfall	Discharge:	116-M PSEUDO MON. POINT @FRANKS CRK														
Report Dates & Status																	
Monitoring Period:	From 12/01/17 to 12/31/17		DMR Due Date:	01/28/18				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.		Title:	Director, USDOE-WVDP					Telephone:	716-942-4368							
Last Name:	Bower																
No Data Indicator (NODI)																	
Form NODI:	--																
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type	
Code	Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units		
70295	Solids, total dissolved	Z - Instream Monitoring	0	--													
				Sample													
				Permit Req.									Req Mon MO AVG <=	500 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge
				Value NODI									C - No Discharge	C - No Discharge			CA - CALCTD
Submission Note																	
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.																	
Edit Check Errors																	
No errors.																	
Comments																	
Attachments																	
No attachments.																	
Report Last Saved By																	
U.S. DEPT OF ENERGY																	
User:	william.kean@chbvw.com																
Name:	William Kean																
E-Mail:	william.kean@chbvw.com																
Date/Time:	2018-01-22 09:00 (Time Zone: -05:00)																
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User:	janice.williams@chbvw.com																
Name:	Janice Williams																
E-Mail:	janice.williams@chbvw.com																
Date/Time:	2018-01-22 09:01 (Time Zone: -05:00)																

DMR Copy of Record

Permit																		
Permit #:	NY0000973				Permittee:	U.S. DEPT OF ENERGY				Facility:	WEST VALLEY DEMONSTRATION PROJ							
Major:	Yes				Permittee Address:	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585				Facility Location:	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799							
Permitted Feature:	SUM Internal Outfall				Discharge:	SUM-N SUM OF OUTFALLS 1 & 7												
Report Dates & Status																		
Monitoring Period:	From 12/01/17 to 12/31/17				DMR Due Date:	01/28/18				Status:	NetDMR Validated							
Considerations for Form Completion																		
Principal Executive Officer																		
First Name:	Bryan C.				Title:	Director, USDOE-WVDP				Telephone:	716-942-4368							
Last Name:	Bower																	
No Data Indicator (NODI)																		
Form NODI:	--																	
Parameter	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
Code	Name			Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	Iron, total [as Fe] 2 - Effluent Net	0	--	Sample														
				Permit Req.									Req Mon MO AVG <=	1 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-2017-NET-IRON-CALC.pdf	pdf	17765				
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:	2018-01-22 09:00 (Time Zone: -05:00)																	
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User:	janice.williams@chbwv.com																	
Name:	Janice Williams																	
E-Mail:	janice.williams@chbwv.com																	
Date/Time:	2018-01-22 09:01 (Time Zone: -05:00)																	

SPDES DISCHARGE MONITORING REPORT - DECEMBER 1 THROUGH DECEMBER 31, 2017
NET IRON EFFLUENT CONCENTRATION CALCULATION
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\begin{aligned} \text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 0.00 \text{ mg/month} \\ X1 &= 0.000 \text{ mg/L} \\ X2 &= 0.000 \text{ mg/L} \\ V1 &= 0.000 \text{ L/month} \end{aligned}$$

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

$$\begin{aligned} \text{OUTFALL 007} &= M7 = \frac{(X1 + X2) V7}{2} = 0.00 \text{ mg/month} \\ X1 &= 0.000 \text{ mg/L} \\ X2 &= 0.000 \text{ mg/L} \\ V7 &= 0.00 \text{ L/month} \end{aligned}$$

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

$$\begin{aligned} \text{RAW WATER} &= MRW = \frac{(X1 + X2 + X3 + X4) VRW}{4} = 0.00 \text{ mg/month} \\ X1 &= 0.000 \text{ mg/L} \\ X2 &= 0.000 \text{ mg/L} \\ X3 &= 0.000 \text{ mg/L} \\ X4 &= 0.000 \text{ mg/L} \\ VRW &= 0.00 \text{ L/month} \end{aligned}$$

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

Attachment B

**Storm Water Discharge Monitoring Results for
July 1 through December 31, 2017
Monitoring Period**

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 1, OUTFALL S04
Monitoring Period: July 1 through December 31, 2017**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.9 S.U.	N.R.	Not Specified in Permit
	Oil and Grease	3.1	N.R.	15 mg/L
	BOD-5	2.4	2.8	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	110	76	
	Total Dissolved Solids (TDS)	160	140	
	Phosphorus, Total	0.28	0.22	
Group B Parameters	Aluminum	4.5	2.9	
	Iron	4.9	3.0	
	Copper, Total Recoverable (TR)	0.0077	0.0050	
	Lead (TR)	0.0082	0.0070	
	Zinc (TR)	0.048	0.033	
Group C Parameters	Total Nitrogen (as N)	0.96	< 0.55	
	TKN	0.68	0.43	
	Nitrate Nitrogen (as N)	0.23	0.098	
	Nitrite Nitrogen (as N)	0.050	< 0.020	
	Ammonia Nitrogen (as NH3)	0.044	0.024	
	Cadmium, TR	0.000073	< 0.000071	
	Chromium, TR	0.0040	0.0029	
	Hexavalent Chromium, TR	< 0.0050	< 0.0050	
	Selenium, TR	< 0.00044	< 0.00044	
	Vanadium, TR	0.0041	0.0017	
	Surfactant (as LAS)	N.R.	N.R.	
	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.	2,500,000	
	Maximum Flow rate, gallons per minute	29,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	09/14/17	09/14/17	
	Duration of storm event, in minutes	N.R.	240	Rain started at 0600 EDT on 9/14/17 and ended at 1000 EDT on 9/14/17.
	Date and Time of sample collection	09/14/17 0700	09/14/17 0940	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.90	An Additional 0.02 inches was recorded after sampling at this outfall was complete for a storm total of 0.92 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	137	Precipitation of 0.33 inches was recorded on 9/8/17 at 1315 EDT. Outfall was at base flow conditions.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 2, OUTFALL S33/DUPLICATE
Monitoring Period: July 1 through December 31, 2017**

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-weighted Composite	
Group A Parameters	pH	7.1 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	< 1.4 / < 1.4	N.R.	15 mg/L
	BOD-5	3.2 / 6.2	2.8	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	160 / 150	15	
	Total Dissolved Solids (TDS)	260 / 240	210	
	Phosphorus, Total	0.95 / 0.94	0.20	
Group B Parameters	Aluminum	1.4 / 0.97	0.29	
	Iron	34 / 25	3.5	
	Copper, Total Recoverable (TR)	0.0031 / 0.0027	0.0011	
	Lead (TR)	0.0026 / 0.0023	0.00063	
	Zinc (TR)	0.028 / 0.023	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)	< 0.013 / < 0.013	< 0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
Paraquat Dichloride	N. R.	N.R.		
Flow	Total Flow, gallons	N.R.	210,000	
	Maximum Flow rate, gallons per minute	1,500	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	09/14/17	09/14/17	
	Duration of storm event, in minutes	N.R.	240	Rain started at 0600 EDT on 9/14/17 and ended at 1000 EDT on 9/14/17.
	Date and Time of sample collection	09/14/17 0705	09/14/17 0945	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.91	An additional 0.01 inches was recorded after sampling at this outfall was completed for a storm total of 0.92 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	137	Precipitation of 0.33 inches was recorded on 9/8/17 at 1315 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, 2017**

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	< 1.5	N.R.	15 mg/L
	BOD-5	3.6	3.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	54	61	
	Total Dissolved Solids (TDS)	330	230	
	Phosphorus, Total	0.34	0.23	
Group B Parameters	Aluminum	1.2	0.93	
	Iron	2.5	1.5	
	Copper, Total Recoverable (TR)	0.0031	0.0061	
	Lead (TR)	0.0016	0.0039	
	Zinc (TR)	0.013	0.029	
Group C Parameters	Total Nitrogen (as N)	< 0.75	< 0.75	
	TKN	0.62	0.42	
	Nitrate Nitrogen (as N)	0.11	0.31	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.016	0.021	
	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	<0.0000065	< 0.0000063	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Mercury, Total (ng/L)	9.3	N.R.	
Paraquat Dichloride	N.R.	N.R.		
Flow	Total Flow, gallons	N.R.	170,000	
	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	10/11/17	10/11/17	
	Duration of storm event, in minutes	N.R.	525	Rain started at 1145 EDT on 10/11/17 and ended at 2030 EDT on 10/11/17.
	Date and Time of sample collection	10/11/17 1240	10/11/17 1520	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.42	An additional 0.59 inches was recorded after sampling ended for a storm total of 1.01 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	51	Precipitation of 0.33 inches was recorded on 10/9/17 at 0845 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, 2017**

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	1.6	N.R.	15 mg/L
	BOD-5	3.3	< 2.0	Not specified in permit. N.R. = Nor Required.
	Total Suspended Solids (TSS)	140	100	
	Total Dissolved Solids (TDS)	220	130	
	Phosphorus, Total	0.29	0.24	
Group B Parameters	Aluminum	4.1	5.4	
	Iron	4.5	7.1	
	Copper, Total Recoverable (TR)	0.0088	0.0063	
	Lead (TR)	0.0066	0.0062	
	Zinc (TR)	0.099	0.063	
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)	0.025	< 0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
Paraquat Dichloride	N.R.	N.R.		
Flow	Total Flow, gallons	N.R.	780,000	
	Maximum Flow Rate, gallons per minute	7,400	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	09/14/17	09/14/17	
	Duration of storm event, in minutes	N.R.	240	Rain started at 0600 EDT on 9/14/17 and ended at 1000 EDT on 9/14/17.
	Date and Time of sample collection	09/14/17 0700	09/14/17 0940	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.91	An Additional 0.01 inches was recorded after sampling at this outfall was completed for a storm total of 0.92 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	137	Precipitation of 0.33 inches was recorded on 9/8/17 at 1315 EDT. Outfall was at base flow conditions upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 5, OUTFALL S17
Monitoring Period: July 1 through December 31, 2017**

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	7.5 S.U.	N.R.	Not specified in permit.
	Oil and Grease	1.6	N.R.	15 mg/L
	BOD-5	2.0	< 2.0	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	14	32	
	Total Dissolved Solids (TDS)	480	230	
	Phosphorus, Total	0.049	0.090	
Aluminum	0.98	2.9		
Group B Parameters	Iron	0.53	1.7	
	Copper, Total Recoverable (TR)	0.0023	0.0036	
	Lead (TR)	0.0030	0.0049	
	Zinc (TR)	0.0079	0.014	
	Total Nitrogen (as N)	< 0.52	< 0.30	
Group C Parameters	TKN	0.39	0.22	
	Nitrate Nitrogen (as N)	0.11	0.064	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.023	0.051	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	< 0.0012	0.0014	
	Surfactant (as LAS)	0.037	0.026	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.20	0.1	
	Sulfide	0.080	< 0.050	
	Flow	Total Flow, gallons	N.R.	420,000
Maximum Flow rate, gallons per minute		3,000	N.R.	
Method of flow measurement		Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	10/11/17	10/11/17	
	Duration of storm event, in minutes	N.R.	525	Rain started at 1145 EDT on 10/11/17 and ended at 2030 EDT on 10/11/17.
	Date and Time of sample collection	10/11/17 1250	10/11/17 1540	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.50	An additional 0.51 inches was recorded after sampling ended for a storm total of 1.01 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	51	Precipitation of 0.33 inches was recorded on 10/9/15 at 0845 EDT. No flow at Outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 6, OUTFALL S42
Monitoring Period: July 1 through December 31, 2017**

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	< 2.0	< 2.0	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	< 4.0	< 4.0	
	Total Dissolved Solids (TDS)	1900	2000	
	Phosphorus, Total	0.019	0.0098	
Group B Parameters	Aluminum	< 0.060	< 0.060	
	Iron	0.066	0.063	
	Copper, Total Recoverable (TR)	0.0062	0.0061	
	Lead (TR)	< 0.00017	< 0.00017	
	Zinc (TR)	0.0042	0.0047	
Group C Parameters	Total Nitrogen (as N)	< 0.91	< 0.89	
	TKN	0.17	0.19	
	Nitrate Nitrogen (as N)	0.72	0.68	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	< 0.0090	< 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	< 0.0012	< 0.0012	
	Surfactant (as LAS)	0.016	0.017	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	< 0.1	< 0.1	
	Sulfide	< 0.050	< 0.050	
Flow	Paraquat Dichloride	N.R.	N.R.	
	Total Flow, gallons	N.R.	5,000	
	Maximum Flow rate, gallons per minute	30	N.R.	
	Method of flow measurement	Stop Watch and Bucket		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	11/16/17	11/16/17	
	Duration of storm event, in minutes	N.R.	585	Rain started at 0645 EST on 11/16/17 and ended at 1630 EST on 11/16/17.
	Date and Time of sample collection	11/16/17 0720	11/16/17 1000	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.27	An additional 0.20 inches was recorded after sampling ended for a storm total of 0.47 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	74	Precipitation of 1.09 inches was recorded on 11/13/17 at 0445 EDT. Slight flow from at outfall upon arrival.

**STORM WATER DISCHARGE MONITORING DATA
FOR OUTFALL GROUP 7, OUTFALL S20
Monitoring Period: July 1 through December 31, 2017**

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	1.5	N.R.	15 mg/L
	BOD-5	6.3	2.2	Not specified in permit. N.R. = Not required.
	Total Suspended Solids (TSS)	210	25	
	Total Dissolved Solids (TDS)	32	46	
	Phosphorus, Total	0.97	0.065	
Group B Parameters	Aluminum	6.2	1.3	
	Iron	7.4	1.2	
	Copper, Total Recoverable (TR)	0.0073	0.0017	
	Lead (TR)	0.0048	0.00095	
	Zinc (TR)	0.044	0.0086	
Group C Parameters	Total Nitrogen (as N)	8.2	< 1.1	
	TKN	7.2	0.45	
	Nitrate Nitrogen (as N)	0.93	0.60	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	
	Ammonia Nitrogen (as NH3)	0.20	0.20	
	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	< 0.050	0.050	
Flow	Total Flow, gallons	N.R.	54,000	
	Maximum Flow rate, gallons per minute	840	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	8/21/17	8/21/17	
	Duration of storm event, in minutes	N.R.	30	Rain started at 0830 EDT on 8/21/17 and ended at 0900 EDT on 8/21/17.
	Date and Time of sample collection	8/21/17 0845	8/21/17 1130	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during event, in inches	N.R.	0.23	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	81	Precipitation of 0.75 inches was recorded on 8/17/17 at 2400 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, 2017**

Parameter Group	Parameter	Results, in mg/L		Permit No. NY-0000973 Compliance Limit	
		First Flush Grab	Flow-weighted Composite		
Group A Parameters	pH	8.1	S.U.	N.R.	Not specified in permit.
	Oil and Grease	1.5		N.R.	15 mg/L
	BOD-5	2.9		< 2.0	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	620		52	
	Total Dissolved Solids (TDS)	170		180	
	Phosphorus, Total	0.88		0.16	
Group B Parameters	Aluminum	16		2.6	
	Iron	19		1.8	
	Copper, Total Recoverable (TR)	0.021		0.0044	
	Lead (TR)	0.021		0.0026	
	Zinc (TR)	0.12		0.031	
Group C Parameters	Total Nitrogen (as N)	< 2.0		< 0.58	
	TKN	1.8		0.48	
	Nitrate Nitrogen (as N)	0.18		0.080	
	Nitrite Nitrogen (as N)	< 0.020		< 0.020	
	Ammonia Nitrogen (as NH3)	0.043		0.031	
	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	N.R.		N.R.	
Paraquat Dichloride	N.R.		N.R.		
Flow	Total Flow, gallons	N.R.		120,000	
	Maximum Flow rate, gallons per minute	930		N.R.	
	Method of flow measurement	Staff Gauge			
Rainfall Event and Monitoring Summary	Date(s) of event monitored	09/14/17		09/14/17	
	Duration of storm event, in minutes	N.R.		240	Rain started at 0600 EDT on 9/14/17 and ended at 1000 EDT on 9/14/17.
	Date and Time of sample collection	09/14/17 0720		09/14/17 1010	
	Sampling Duration (Minutes)	Instantaneous		180	
	Total rainfall during event, in inches	N.R.		0.92	
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.		137	Precipitation of 0.33 inches was recorded on 9/8/17 at 1315 EDT. There was no flow at outfall upon arrival.

Attachment C

**Annual Water Treatment Chemical Usage Report
for Calendar Year 2017**



New York State Department of Environmental Conservation
Division of Water
SPDES Permit - WTC Annual Report Form (June 2014)

A SPDES permittee is required to submit a *WTC Annual Report Form* each year that they use and discharge Water Treatment Chemicals (WTCs). The permittee must attach the completed form to either the December DMR or the annual monitoring report required by the SPDES permit. Additional information is available at the NYSDEC website <http://www.dec.ny.gov/permits/93245.html>.

SPDES Permit No.	Permittee Name
NY- 0000973	U. S. Department of Energy, West Valley, NY

Annual Report for Year 2017
Page 1 of 1

WTC Name	WTC Manufacturer	Date Authorized by NYSDEC	Average Daily Use* (pounds/day)	Maximum Daily Use (pounds/day)	Affected Outfall(s)	Check Box If Use of WTC Has Been Discontinued	Footnotes
Klaraid PC313	GE Betz	07/01/2011	0	0	001	✓	
Steamate NA701	GE Betz	07/01/2011	0	0	001	✓	
Cortrol IS104	GE Betz	07/01/2011	0	0	001	✓	
Optisperse CL362	GE Betz	07/01/2011	0	0	001	✓	

* - Average daily use = (total pounds used during year) divided by (discharge days during year). For continuous discharges, discharge days during year = 365.

Footnotes: (if applicable)

Name: Janice D. Williams, CH2M HILL BWXT West Valley, LLC	Title: Regulatory Strategy, Manager	Phone: (716) 942-2913
Signature:	Date: 1-22-2018	Email: janice.williams@chbvw.com

Attachment D

**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, 2017, 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

12-18-2017

Date