### CH2MHILL • BWXT West Valley, LLC

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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

Permit

Major:

Permit #: NY0000973

U.S. DEPT OF ENERGY Permittee:

Permittee Address: 1000 INDEPENDENCE AVE SW

01/28/18

WASHINGTON, DC 20585

**Facility Location:** 

Facility:

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

**Permitted Feature:** 001

External Outfall

Discharge: 001-A **OUTFALL 001 ANNUAL** 

Yes

Bower

From 01/01/17 to 12/31/17 **DMR Due Date: Monitoring Period:** 

Status:

**NetDMR Validated** 

**Considerations for Form Completion** 

**Principal Executive Officer** 

Report Dates & Status

Bryan C. First Name:

Title: Director, USDOE-WVDP Telephone:

716-942-4368

.05 DAILY MX

19 - mg/L 0

No Data Indicator (NODI)

**Last Name:** 

Form NODI:

Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Qualifier 3 Value 3 Units 24 - COMP24 Sample 0.00007 0.00007 19 - mg/L 01/YR - Annual 01/YR - Annual 24 - COMP24 01113 Cadmium, total recoverable 1 - Effluent Gross **Permit Rea** Rea Mon MO AVG <= .002 DAILY MX 19 - mg/L 0 Value NODI 0.0005 19 - mg/L 01/YR - Annual GR - GRAB Sample 0.0005 34488 Trichlorofluoromethane 1 - Effluent Gross Permit Reg. Req Mon MO AVG <= .01 DAILY MX 19 - mg/L 0 01/YR - Annual GR - GRAB 0 Value NODI 01/YR - Annual GR - GRAB Sample 0.004 0.004 19 - mg/L 34631 3,3'-Dichlorobenzidine 1 - Effluent Gross Permit Req. .005 MO AVG .01 DAILY MX 19 - mg/L 0 01/YR - Annual GR - GRAB Value NODI GR - GRAB Sample 0.0003 0.0003 19 - mg/L 01/YR - Annual GR - GRAB 34668 Dichlorodifluoromethane 1 - Effluent Gross Permit Req. Reg Mon MO AVG <= .01 DAILY MX 19 - mg/L 0 01/YR - Annual Value NODI 0.007 01/YR - Annual GR - GRAB Sample 0.0007 28 - ug/L .01 MO AVG 01/YR - Annual GR - GRAB 39337 .alpha.-BHC 1 - Effluent Gross Req Mon DAILY MX 28 - ug/L 0 Permit Reg. <= Value NODI 0.02 0.02 28 - ug/L 01/YR - Annual GR - GRAB Sample 39700 Hexachlorobenzene 1 - Effluent Gross Permit Req. .2 MO AVG Req Mon DAILY MX 28 - ug/L 0 01/YR - Annual GR - GRAB <= Value NODI 0.004 0.004 19 - mg/L 01/YR - Annual GR - GRAB Sample 77819 Tri-n-butyl phosphate 1 - Effluent Gross Permit Req. Req Mon MO AVG <= .1 DAILY MX 19 - mg/L 0 01/YR - Annual GR - GRAB Value NODI GR - GRAB 01/YR - Annual Sample 0.005 0.005 19 - mg/L 78247 Chromium, hexavalent tot recoverable 1 - Effluent Gross 0 GR - GRAB Permit Req. Req Mon MO AVG <= .011 DAILY MX 19 - mg/L 0 01/YR - Annual Value NODI Sample 0.002 0.002 19 - mg/L 01/YR - Annual GR - GRAB Reg Mon MO AVG <= 78356 2-Butanone Permit Rea. .5 DAILY MX 01/YR - Annual GR - GRAB 1 - Effluent Gross 19 - mg/L 0 Value NODI 19 - mg/L 01/YR - Annual GR - GRAB Sample 0.001 0.001 81551 Xylene [mix of m+o+p] Permit Req. Req Mon MO AVG <= 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

william.kean@chbwv.com

Value NODI

William Kean Name:

E-Mail: william.kean@chbwv.com

1 - Effluent Gross 0

User:

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)

Permit

Major:

Permit #: NY0000973

Yes

External Outfall

Permittee: U.S. DEPT OF ENERGY

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

001-M

OUTFALL 001 MONTHLY PROC WW, GW, STORM

Report Dates & Status

**Permitted Feature:** 

Monitoring Period: From 12/01/17 to 12/31/17

001

DMR Due Date: 01/28/18

Discharge:

Status: NetDMR Validated

**Considerations for Form Completion** 

Principal Executive Officer

First Name: Bryan C.

Bower

Title: Director, USDOE-WVDP

Telephone: 716-9

Facility:

Facility Location:

716-942-4368

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD

WEST VALLEY, NY 14171-9799

No Data Indicator (NODI)

Last Name:

Form NODI: --

	Parameter	Monitoring Location	n Season # P	aram. NODI				uantity or Load						lity or Concent				# of Ex. F	requency of Analysis	Sample Typ
ode	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units Qua	alifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample															
0154 Sulfa	ate [as S]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	3	Req Mon DAILY M	IX 19 - mg/L	0	1/BA - Once Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0181 Oxyg	gen demand, ultimate	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	<del>}</del> <=	22 DAILY MX	19 - mg/L	0:	2/BA - Twice Per Batch	CA - CALCT
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0300 Oxyg	gen, dissolved [DO]	1 - Effluent Gross	0		Permit Req.					>=	3	3 MINIMUM				Req Mon MAXIMU	IM 19 - mg/L	0:	2/BA - Twice Per Batch	GR - GRAB
					Value NODI						C	C - No Discharge				C - No Discharge				
					Sample															
0310 BOD	), 5-day, 20 deg. C	1 - Effluent Gross	0		Permit Req.									eq Mon MO AVO	G <=	10 DAILY MX	19 - mg/L	0:	2/BA - Twice Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0400 pH		1 - Effluent Gross	0		Permit Req.					>=	6	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	0	1/BA - Once Per Batch	GR - GRAB
					Value NODI						C	C - No Discharge				C - No Discharge				
					Sample															
0530 Solid	ds, total suspended	1 - Effluent Gross	0		Permit Req.								<= 30	MO AVG	<=	45 DAILY MX	19 - mg/L	0:	2/BA - Twice Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0545 Solid	ds, settleable	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	S <=	.3 DAILY MX	25 - mL/L	0:	2/BA - Twice Per Batch	GR - GRAB
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0556 Oil &	Grease	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	G <=	15 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	GR - GRAB
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
00615 Nitro	gen, nitrite total [as N]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	<del>}</del> <=	.1 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0620 Nitro	gen, nitrate total [as N]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	3	Req Mon DAILY M	IX 19 - mg/L	0	1/BA - Once Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0625 Nitro	gen, Kjeldahl, total [as N]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	3	Req Mon DAILY M	IX 19 - mg/L	0:	2/BA - Twice Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0746 Sulfic	de, dissolved, [as S]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	<del>}</del> <=	.4 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
00978 Arser	nic, total recoverable	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	<b>&gt;=</b>	.15 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	24 - COMP2
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0979 Coba	alt, total recoverable	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	G <=	.005 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	GR - GRAB
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample															
0981 Seler	nium, total recoverable	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	G <=	.004 DAILY MX	19 - mg/L	0	1/BA - Once Per Batch	GR - GRAB
					Value NODI								С	- No Discharge		C - No Discharge				
					Sample									3						
1045 Iron.	total [as Fe]	1 - Effluent Gross	0		Permit Req.								Re	eq Mon MO AVO	3	Req Mon DAILY M	IX 19 - mg/L	0:	2/BA - Twice Per Batch	24 - COMP2
	•				Value NODI									- No Discharge		C - No Discharge				

			Sample									
01105 Aluminum, total [as Al]	1 - Effluent Gross	0	 Permit Req.				<=	2 MO AVG	<=	4 DAILY MX	19 - mg/L	01/BA - Once Per Batch 24 - COMP24
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
01128 Vanadium, total recoverable	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	.014 DAILY MX	19 - mg/L	01/BA - Once Per Batch GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
34726 Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	 Permit Req.				<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/BA - Twice Per Batch 24 - COMP24
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Permit Req.	Req Mon MO AVG	Req Mon DAILY MX	03 - MGD						02/BA - Twice Per Batch CN - CONTIN
			Value NODI	C - No Discharge	C - No Discharge							
			Sample									
50060 Chlorine, total residual	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L	01/BA - Once Per Batch GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
70295 Solids, total dissolved	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	02/BA - Twice Per Batch GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
71900 Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.				<=	50 MO AVG		Req Mon DAILY MX	3M - ng/L	01/BA - Once Per Batch GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge		
			Sample									
81646 Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	 Permit Req.					Req Mon MO AVG	<=	.04 DAILY MX	19 - mg/L	01/BA - Once Per Batch GR - GRAB
			Value NODI					C - No Discharge		C - No Discharge		

### **Submission Note**

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

Edit Check Errors

No errors.

Comments

Please see the Synopsis letter and the Storm Water data sheets for the reporting period of July 1, 2017 -December 31, 2017 that are attached to this DMR.

Attachments

Name	Туре	Size
WVDP_December_2017_Synopsis.pdf	pdf	50244
WVDP_December_2017_BMP_SWPPP_Signed_Certification.pdf	pdf	25909
WVDP_July_1_2017_December_31_2017_Storm_Water_Data.pdf	pdf	642654
WVDP_December_2017_WTC_Report.pdf	pdf	280737

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)

Permit

Permit #: NY0000973

001

External Outfall

Major: Yes

Permittee: U.S. DEPT OF ENERGY

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

EPENDENCE AVE SW Facility Location:

Facility:

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799

Discharge: 001-S
OUTFALL 001 SEMI-ANNUAL

Report Dates & Status

**Permitted Feature:** 

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:

	Parameter	Monitoring Location	Season i	# Param. NODI		G	Quanti	ity or Loading				Quality or Cond	entration			# of Ex	c. Frequency of Analysi	s Sample Typ
Code	Name					Qualifier 1 V	alue 1	Qualifier 2 Valu	e 2 Units	Qualifier 1	Value 1 Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample						<	0.005	<	0.005	19 - mg/L		02/YR - Twice Per Yea	r GR - GRAB
0722	Cyanide, free [amen. to chlorination]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.005 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r GR - GRAB
					Value NODI													
					Sample						=	0.043	=	0.043	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1055	Manganese, total [as Mn]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	2 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						=	0.0023	=	0.0023	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1067	Nickel, total [as Ni]	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.079 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						=	0.0047	=	0.0047	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1094	Zinc, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.13 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						<	0.0002	<	0.0002	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1114	Lead, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.006 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						=	0.0014	=	0.0014	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1118	Chromium, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.11 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						=	0.0022	=	0.0022	19 - mg/L		02/YR - Twice Per Yea	r 24 - COMP2
1119	Copper, total recoverable	1 - Effluent Gross	0		Permit Req.							Req Mon MO AVG	i <=	.014 DAILY MX	19 - mg/L	. 0	02/YR - Twice Per Yea	r 24 - COMP2
					Value NODI													
					Sample						<	0.007	<	0.007	28 - ug/L		02/YR - Twice Per Yea	r GR - GRAB
9410	Heptachlor	1 - Effluent Gross	0		Permit Req.						<=	.01 MO AVG		Req Mon DAILY MX	28 - ug/L	0	02/YR - Twice Per Yea	r 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@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

Perm	nit																		
Perm	nit #:	NY0000973		Pei	rmittee:		U.S.	DEPT OF	ENERG	Ϋ́				Facility:	WE	ST VALI	EY DE	MONSTRATION PR	ROJ
Major	r:	Yes		Pei	rmittee Add	dress:		INDEPE HINGTO	_		SW			Facility Locat	ion: 102 WE		_	INGS ROAD Y 14171-9799	
Perm	itted Feature:	001 External Outfall		Dis	scharge:		<b>001-</b> I	<b>J</b> FALL 001	ACTION	N LEV	ELS ANI	NUAL							
Repo	ort Dates & Status			,															
Monit	toring Period:	From 01/01/17 to	12/31/1	7 DM	IR Due Date	e:	01/28	3/18						Status:	Ne	tDMR Va	lidated	ı	
Cons	siderations for For	rm Completion		,															
SEE F	PERMIT FOR REP	ORTING REQUIR	EMENTS	3															
Princ	cipal Executive Of	ficer																	
	Name:	Bryan C.		Titl	le:		Direc	tor, USD	OE-WVD	P				Telephone:	716	6-942-43	68		
Last I	Name:	Bower												•					
No Da	ata Indicator (NOI	DI)																	
	NODI:	<del></del>																	
	Parameter	Monitoring Location	Season #	Param. NODI	ı		Quantit	y or Loadiı	ng				Qualit	y or Concentratio	n		# of Ex	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2 U	nits Q	ualifier 1 V	/alue 1 Qu	ualifier 2	Value 2 Qualifier		Units			
01007 F	Barium, total [as Ba]	V - See Comments	0		Sample Permit Req.									= <=	0.021 .5 DAILY MX	19 - mg/L			24 - COMP24 24 - COMP24
01007	banum, total [as ba]	v - See Comments	O	-	Value NODI									<b>\</b> =	.5 DAILT WIX	r 19 - Hig/L		OT/TR - Allitual	24 - COIVIF 24
					Sample									<	0.0068	19 - mg/L		01/YR - Annual	24 - COMP24
01097 A	Antimony, total [as Sb]	V - See Comments	0		Permit Req.									<=	1 DAILY MX	19 - mg/L	0	01/YR - Annual	24 - COMP24
					Value NODI Sample									<	0.00054	19 - mg/L		01/YR - Annual	GR - GRAB
32106	Chloroform	V - See Comments	0		Permit Req.									<=	.3 DAILY MX	-		01/YR - Annual	GR - GRAB
					Value NODI														
	mission Note																		
If a pa		not contain any va	lues for t	he Sample i	nor Effluent	Trading, t	hen no	ne of the	following	j fields	s will be s	submitte	ed for th	at row: Units, N	lumber of Ex	cursions	Frequ	ency of Analysis, and	d Sample
	Check Errors																		
No en																			
	ments																		
COIIII	ments																		
Attac	chments																		
	chments.																		
	ort Last Saved By																		
	DEPT OF ENERG	Υ																	
User:			willia	am.kean@c	hbwv.com														
Name				iam Kean															
E-Mai				am.kean@c															
Date/				8-01-22 09:		Zone: -05:	00)												
	ort Last Signed By	,			(11111		/												
User:			ianio	ce.williams@	Chbwy con	n													
Name			•	ice William															
E-Mai				ce.williams@		n													
Date/			-	8-01-22 09:			00)												
Date/	Timo.		2010	0 0 1 22 09.	.or (Tille	_011000.	00)												

	it																			
Permi	t #:	NY0000973		Pe	ermittee:		U.S. D	EPT OF I	ENERG	Υ				Fa	cility:	V	VEST V	ALLEY	DEMONSTRATION F	PROJ
Major	:	Yes		Pe	ermittee Add	ress:		NDEPENI INGTON,			≣ SW			Fa	cility Loc				PRINGS ROAD NY 14171-9799	
Permi	tted Feature:	001 External Outfall		Di	scharge:		001-V	ALL 001 <i>F</i>	ACTION	I LEV	/ELS SE	MI-ANI	NUAL							
Repoi	rt Dates & Status	s																		
Monit	oring Period:	From 07/01/17	to 12/31	/17 DI	MR Due Date	):	01/28/	18						St	atus:	N	letDMR	Validat	ed	
Consi	iderations for Fo	orm Completion																		
		PORTING REQUI	REMEN	ITS																
Princi	ipal Executive O	Officer																		
First N	Name:	Bryan C.		Ti	tle:		Directo	or, USDO	E-WVD	Р				Те	lephone:	7	16-942-	4368		
Last N	lame:	Bower																		
No Da	nta Indicator (NC	ODI)																		
	NODI:																			
	Parameter	Monitoring Location	Season	# Param. NO	DI		Quantit	y or Loadiı	ng				Quali	ty or Co	ncentration			# of Ex	. Frequency of Analysis	Sample Typ
Code	Name				0	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier	1 Value	1 Qualifier 2	Value 2			Units		OOMP Trains Dan Vann	04 001400
01022 B	oron, total [as B]	V - See Comments	0		Sample Permit Req.											0.055 2 DAILY MX	19 - mg/l		02/YR - Twice Per Year 02/YR - Twice Per Year	
	, , , , , , ,				Value NODI												3			
04450-	itaniana tatal faa Tii	V 0 0			Sample											0.0011	19 - mg/l		02/YR - Twice Per Year	
	itanium, total [as Ti]	v - See Comments	0		Permit Req.										<=	.65 DAILY MX	. 19 - mg/i	_ 0	02/YR - Twice Per Year	24 - COMP2
υ1152 T					Value NODI															
υ1152 T					Sample											0.37	19 - mg/l		02/YR - Twice Per Year	24 - COMP2
	romide [as Br]	V - See Comments	0		Sample Permit Req.											0.37 5 DAILY MX	-		02/YR - Twice Per Year 02/YR - Twice Per Year	
71870 B		V - See Comments	0		Sample												-			
71870 B	ission Note			 or the Samr	Sample Permit Req. Value NODI	nt Tradino	then r	one of the	e follow	ina fi	ields will	he sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B	ission Note			or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0		24 - COMP2
71870 B  Subm  If a pa Type.	ission Note			 or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B  Subm  If a pa Type.	ission Note rameter row does			 or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C	rameter row does Check Errors Pors.			 or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that row	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err	rameter row does Check Errors Pors.			 or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a pa Type. Edit C No em	rameter row does Check Errors Pors.			or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a pa Type. Edit C No em	rameter row does Check Errors Fors. Hents			or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that row	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err Comn	rameter row does Check Errors Fors. Hents	s not contain any		 or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a pa Type. Edit C No err Comm	rameter row does Check Errors Fors. Hents Chements Chements	s not contain any		or the Samp	Sample Permit Req. Value NODI	nt Trading	, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err Comm	rameter row does Check Errors Fors. Hents Checks Checks Check Errors Checks Che	s not contain any	values fo		Sample Permit Req. Value NODI		, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that row	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err Comn Attacl No attac Repoi	check Errors rors. nents hments trust Saved By	s not contain any	values fo	villiam.kean Villiam Ke	Sample Permit Req. Value NODI  ole nor Effluer  @ chbwv.com an		, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a pa Type. Edit C No err Comm Attack No attack Repoil U.S. E User:	rameter row does check Errors cors. hents hments hments t Last Saved By DEPT OF ENERG	s not contain any	values fo	villiam.kean Villiam Ke	Sample Permit Req. Value NODI  ole nor Effluer  @ chbwv.com		, then r	one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err Comm Attacl No attacl Repoil U.S. E User: Name	rameter row does Check Errors Fors. Inents Chements Cheme	s not contain any	values fo	villiam.kean Villiam Ke villiam.kean	Sample Permit Req. Value NODI  ole nor Effluer  @ chbwv.com an			one of the	e follow	ing fi	ields will	be sub	mitted for t	that row	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a par Type. Edit C No err Comm  Attacl No attac Repoil U.S. E User: Name E-Mail Date/T	rameter row does Check Errors Fors. Inents Chements Cheme	s not contain any	values fo	villiam.kean Villiam Ke villiam.kean	Sample Permit Req. Value NODI  ole nor Effluer  @ chbwv.com an @ chbwv.com			one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a par Type. Edit C No err Comm  Attacl No attac Repoil U.S. E User: Name E-Mail Date/T	ission Note rameter row does Check Errors rors. nents hments thments. rt Last Saved By DEPT OF ENERG	s not contain any	walues for	villiam.kean Villiam Ke villiam.kean 018-01-22	Sample Permit Req. Value NODI  ole nor Effluer  @ chbwv.com an @ chbwv.com	e Zone: -0		one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
71870 B Subm If a pa Type. Edit C No err Comn Attacl No attac Repor U.S. E User: Name E-Mail Date/T Repor	check Errors rors. hments chments	s not contain any	www.www.	villiam.kean Villiam Ke villiam.kean 018-01-22	Sample Permit Req. Value NODI  Ole nor Effluer  @ chbwv.com an @ chbwv.com 09:00 (Time	e Zone: -0		one of the	e follow	ing fi	ields will	be sub	mitted for t	that row	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP2
Subm If a pa Type.  Edit C No err Comn  Attacl No attac Repoi U.S. E User: Name E-Mail Date/T Repoi User:	check Errors cors. check Errors cors. checks check Errors cors. checks checks check Errors cors. check Errors	s not contain any	walues for www.vv www.zc	villiam.kean Villiam Ke villiam.kean 018-01-22 anice.willian anice Will	Sample Permit Req. Value NODI  Ole nor Effluer  @ chbwv.com an @ chbwv.com 09:00 (Time	Zone: -0		one of the	e follow	ing fi	ields will	be sub	mitted for t	that rov	<=	5 DAILY MX	19 - mg/l	L 0	02/YR - Twice Per Year	24 - COMP24

Permit

Permit #: NY0000973

Permittee: U.S. DEPT OF ENERGY

Major: Yes

Permittee Address: 1000 INDEPENDENCE AVE SW

WASHINGTON, DC 20585

Permitted Feature: 007 Discharge: 007-M External Outfall SANITA

SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER

Facility:

Facility Location:

WEST VALLEY DEMONSTRATION PROJ

10282 ROCK SPRINGS ROAD

WEST VALLEY, NY 14171-9799

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)

	Parameter	<b>Monitoring Location</b>	Season # Param. NODI				Quantity or Load	ding				Q	uality or Concentr	ation			# of Ex.	Frequency of Analysis	Sample Typ
Code	Name				Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
				Sample															
00181 Oxygen	demand, ultimate	1 - Effluent Gross	0	Permit Req									Req Mon MO AVG	G <=	22 DAILY MX	19 - mg/L		01/30 - Monthly	CA - CALCT
				Value NOD	I								C - No Discharge		C - No Discharge				
				Sample															
00300 Oxygen,	, dissolved [DO]	1 - Effluent Gross	0	Permit Req							3 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
				Value NOD							C - No Discharge	9			C - No Discharge				
				Sample															
0310 BOD, 5-	-day, 20 deg. C	1 - Effluent Gross	0	Permit Req									Req Mon MO AVG		10 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - COMP2
				Value NOD	I								C - No Discharge		C - No Discharge				
				Sample															
00400 pH		1 - Effluent Gross	0	Permit Req							6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - GRAB
				Value NOD							C - No Discharge	9			C - No Discharge				
00500 0-11-1- 4	total accessed at	4. 5#	0	Sample									00 140 11/0		45 DAILY MY	40/1		00/00 Tuis Death	04 001400
00530 Solids, to	total suspended	1 - Effluent Gross	0	Permit Req								<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - COMP2
				Value NOD									C - No Discharge		C - No Discharge				
00E4E Calida a	a attle a bla	4 Fillward Cross	0	Sample									Des Mas MO AVO	\ .	2 DAIL V MV	25 - mL/L		00/00 Turing Day Month	CD CDAD
00545 Solids, s	Settleable	1 - Effluent Gross		Permit Req Value NOD									Req Mon MO AVG C - No Discharge	o <=	.3 DAILY MX	25 - IIIL/L		02/30 - Twice Per Month	GR - GRAD
				Sample									C - No Discharge		C - No Discharge				
00556 Oil & Gre	2222	1 - Effluent Gross	0	Permit Req									Reg Mon MO AVG	\ \	15 DAILY MX	19 - mg/L		02/30 - Twice Per Month	GP - GPAR
00000 Oii & Oii	lease	1 - Lilidelit Oloss		Value NOD									C - No Discharge	, <=	C - No Discharge	13 - IIIg/L		02/30 - TWICE FEI MOITH	OK - OKAD
				Sample									C - No Discharge		C - No Discharge				
00615 Nitrogen	n, nitrite total [as N]	1 - Effluent Gross	0	Permit Req									Reg Mon MO AVG	:	.1 DAILY MX	19 - mg/L		01/30 - Monthly	24 - COMP2
Joo 13 Mill ogen	ii, iiiiile totai [as iv]	Lindon Oloss		Value NOD									C - No Discharge	, \-	C - No Discharge	13 Hig/L		01/30 Monthly	Z4 OOMI Z
				Sample									O 140 Discharge		O NO Discharge				
00625 Nitrogen	n, Kjeldahl, total [as N]	1 - Effluent Gross	0	Permit Req									Reg Mon MO AVG	<b>à</b>	Reg Mon DAILY MX	19 - ma/l		01/30 - Monthly	24 - COMP2
	., . , . ,			Value NOD									C - No Discharge		C - No Discharge			0.700 monany	2. 002
				Sample											=				
01045 Iron, tota	al [as Fe]	1 - Effluent Gross	0	Permit Reg									Reg Mon MO AVG	<b>}</b>	Req Mon DAILY MX	19 - ma/L		02/30 - Twice Per Month	24 - COMP2
	[			Value NOD									C - No Discharge		C - No Discharge				
				Sample															
34726 Nitrogen	n, ammonia, total [as NH3]	1 - Effluent Gross	0	Permit Req								<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - COMP2
				Value NOD									C - No Discharge		C - No Discharge				
				Sample									J		0				
50050 Flow, in	conduit or thru treatment plant	1 - Effluent Gross	0	Permit Req	. F	Req Mon MO A	VG F	Reg Mon DAILY MX 0	3 - MGD									01/30 - Monthly	CN - CONTI
	·			Value NOD		C - No Discharg	ie C	C - No Discharge										•	
				Sample															
0060 Chlorine	e, total residual	1 - Effluent Gross	0	Permit Req									Req Mon MO AVG	G <=	.1 DAILY MX	19 - mg/L		01/30 - Monthly	GR - GRAB
				Value NOD	ı								C - No Discharge		C - No Discharge				
				Sample															
0295 Solids, to	total dissolved	1 - Effluent Gross	0	Permit Req									Req Mon MO AVG	3	Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
				Value NOD	I								C - No Discharge		C - No Discharge				
				Sample															
1900 Mercury	/, total [as Hg]	1 - Effluent Gross	0	Permit Req									Req Mon MO AVG	G <=	50 DAILY MX	3M - ng/L		01/30 - Monthly	GR - GRAB
				Value NOD	I								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.

Comments

**Edit Check Errors** 

No errors.

E-Mail:

Attachments No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:

william.kean@chbwv.com

William Kean

Name:

william.kean@chbwv.com

Date/Time:

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

Report Last Signed By

User: janice.williams@chbwv.com

Janice Williams Name:

E-Mail: janice.williams@chbwv.com

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

Permit																			
Permit #:	NY00009	73		Perm	nittee:		U.S. I	DEPT C	OF EN	NERGY			Fa	cility:	W	EST VAL	LEY D	EMONSTRATION PF	ROJ
Major:	Yes			Perm	nittee Add	ress:				ENCE AV OC 20585			Fa	cility Lo				RINGS ROAD NY 14171-9799	
Permitted Feature:	007 External 0	Outfall		Disch	harge:		<b>007-\</b> OUTF		)7 AN	INUAL M	ONITOI	RING							
Report Dates & Status				•															
<b>Monitoring Period:</b>	From 01/	01/17 to	o 12/31/17	DMR	Due Date	):	01/28	/18					St	atus:	N	etDMR V	alidate	d	
Considerations for For	rm Comple	etion		•									,						
Principal Executive Of	ficer																		
First Name:	Bryan C.			Title:	:		Direc	tor, USI	DOE-	WVDP			Te	elephone	: 7	16-942-43	868		
Last Name:	Bower												·						
No Data Indicator (NOI	DI)			·															
Form NODI:																			
	g Location S	eason #	Param. NODI				ty or Loadi							oncentratio			# of Ex	. Frequency of Analysis	Sample Type
Code Name				Sample	Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
32106 Chloroform 1 - Effluent	Gross 0			Permit Req.										<=	.2 DAILY MX	19 - mg/L		01/YR - Annual	GR - GRAB
				Value NODI											C - No Discharg	е			
Submission Note																			
If a parameter row does Sample Type.	not contair	n any va	alues for the	Sample no	or Effluent	Tradin	g, then no	one of the	he fol	lowing fie	lds will	be submit	ted for	that row:	Units, Numbe	er of Excu	rsions,	Frequency of Analysi	is, and
Edit Check Errors																			
No errors.																			
Comments																			
Attachments																			
No attachments.																			
Report Last Saved By																			
U.S. DEPT OF ENERGY	Υ																		
User:				kean@chb	wv.com														
Name:			William																
E-Mail:				kean@chb															
Date/Time:			2018-01	1-22 09:00	(Time Z	one: -0	5:00)												
Report Last Signed By	<b>'</b>																		
User:			-	villiams@ch	nbwv.com														
Name:				Williams															
E-Mail:			-	villiams@ch															
Date/Time:			2018-01	1-22 09:01	(Time Z	one: -0	5:00)												

Permit Permittee: U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Facility Location: Permittee Address: 1000 INDEPENDENCE AVE SW 10282 ROCK SPRINGS ROAD Major: Yes WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 Discharge: **Permitted Feature:** 01B 01B-M Internal Outfall MERCURY PRETREATMENT Report Dates & Status **DMR Due Date:** Status: **Monitoring Period:** From 12/01/17 to 12/31/17 01/28/18 **NetDMR Validated Considerations for Form Completion** Principal Executive Officer Title: Telephone: First Name: Bryan C. Director, USDOE-WVDP 716-942-4368 Last Name: Bower No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI # of Ex. Frequency of Analysis Sample Type Parameter Quantity or Loading **Quality or Concentration** Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Code Name Sample Req Mon MO AVG 00056 Flow rate Permit Reg. Req Mon DAILY MX 07 - gal/d CN - CONTIN 1 - Effluent Gross 01/07 - Weekly Value NODI C - No Discharge C - No Discharge Sample 71900 Mercury, total [as Hg] 1 - Effluent Gross 0 Permit Req. Req Mon MO AVG <= 02/BA - Twice Per Batch GR - GRAB 50 DAILY MX 3M - ng/L Value NODI C - No Discharge C - No Discharge **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. Comments **Attachments** No attachments. Report Last Saved By U.S. DEPT OF ENERGY User: william.kean@chbwv.com William Kean Name: E-Mail: william.kean@chbwv.com 2018-01-22 09:00 (Time Zone: -05:00) Date/Time: Report Last Signed By User: janice.williams@chbwv.com Name: Janice Williams E-Mail: janice.williams@chbwv.com 2018-01-22 09:01 (Time Zone: -05:00) Date/Time:

Permit U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 Permittee: **Facility Location:** Major: Yes **Permittee Address:** 1000 INDEPENDENCE AVE SW 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799 WASHINGTON, DC 20585 116 Discharge: **Permitted Feature:** 116-M Internal Outfall 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 Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Value 3 Units Code Name Sample 70295 Solids, total dissolved Z - Instream Monitoring 0 Reg Mon MO AVG <= 500 DAILY MX 19 - mg/L Permit Req. 02/DS - Twice Per Discharge CA - CALCTD Value NODI C - No Discharge C - No Discharge **Submission Note** If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type. **Edit Check Errors** No errors. Comments **Attachments** No attachments. Report Last Saved By **U.S. DEPT OF ENERGY** User: william.kean@chbwv.com Name: William Kean E-Mail: william.kean@chbwv.com 2018-01-22 09:00 (Time Zone: -05:00) Date/Time: 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)

Permit Permittee: U.S. DEPT OF ENERGY Facility: WEST VALLEY DEMONSTRATION PROJ Permit #: NY0000973 1000 INDEPENDENCE AVE SW **Facility Location:** 10282 ROCK SPRINGS ROAD Major: Yes **Permittee Address:** WASHINGTON, DC 20585 WEST VALLEY, NY 14171-9799 **Permitted Feature:** SUM Discharge: SUM-N Internal Outfall SUM OF OUTFALLS 1 & 7 Report Dates & Status **DMR Due Date:** Status: **Monitoring Period:** From 12/01/17 to 12/31/17 01/28/18 **NetDMR Validated Considerations for Form Completion** Principal Executive Officer First Name: Bryan C. Title: Director, USDOE-WVDP Telephone: 716-942-4368 Last Name: Bower No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Quantity or Loading # of Ex. Frequency of Analysis Sample Type Parameter **Quality or Concentration** Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Qualifier 3 Code Name Sample 01045 Iron, total [as Fe] 2 - Effluent Net CA - CALCTD 0 Reg Mon MO AVG <= 1 DAILY MX 19 - mg/L 01/30 - Monthly Permit Req. 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 Size WVDP\_DECEMBER-2017-NET-IRON-CALC.pdf 17765 pdf Report Last Saved By U.S. DEPT OF ENERGY User: william.kean@chbwv.com William Kean Name: 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 2018-01-22 09:01 (Time Zone: -05:00) Date/Time:

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

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

X1 = 0.000 mg/L

X2 = 0.000 mg/L

V1 = 0.000 L/month

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

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

X1 = 0.000 mg/L

X2 = 0.000 mg/L

V7 = 0.00 L/month

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

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

X1 = 0.000 mg/L

X2 = 0.000 mg/L

X3 = 0.000 mg/L

X4 = 0.000 mg/L

VRW = 0.00 L/month

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

### 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		Results in mg/L		Permit No. NY-0000973
Group	Parameter	First Flush	Flow-weighted	Compliance Limit
		Grab	Composite	
Group A	pH	7.9 S.U.	N.R.	Not Specified in Permit
Group A Parameters	Oil and Grease	3.1	N.R.	15 mg/L
Parameters		2.4	2.8	Not specified in permit.
	BOD-5	110	76	N.R. = Not Required.
	Total Suspended Solids (TSS) Total Dissolved Solids (TDS)	160	140	Trine Irot Required.
		<u> </u>	0.22	-
	Phosphorus, Total	0.28 4.5	2.9	-
Group B	Aluminum		3.0	-
Parameters	Iron	4.9		
	Copper, Total Recoverable (TR)	0.0077	0.0050	
	Lead (TR)	0.0082	0.0070	
	Zinc (TR)	0.048	0.033	_
Group C	Total Nitrogen (as N)	0.96	< 0.55	]
Parameters	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	7
	Selenium, TR	< 0.00044	< 0.00044	j ·
	Vanadium, TR	0.0041	0.0017	7
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	N.R.	N.R.	7
	Settleable Solids	N.R.	N.R.	7
	Sulfide	N.R.	N.R.	7
	Paraquat Dichloride	N.R.	N.R.	1
Flow	Total Flow, gallons	N.R.	2,500,000	
	Maximum Flow rate, gallons per minute	29,000	N.R.	
	Method of flow measurement	Staff Gauge		1
Rainfall	Date(s) of event monitored	09/14/17	09/14/17	
Event and	Duration of storm event, in	N.R.	240	Rain started at 0600 EDT on 9/14/17 and ended at 1000 EDT on 9/14/17.
Monitoring	minutes	00/14/17	00/14/17	and ended at 1000 ED1 on 5/14/1/.
Summary	Date and Time of sample	09/14/17	09/14/17 0940	
	Collection Constinue (Minutes)		.,,,,,	
	Sampling Duration (Minutes) Total rainfall during sampling event, in inches	Instantaneous 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	Monitoring Period	Results in mg/L		Permit No. NY-0000973
Group	Parameter		1	Compliance Limit
		First Flush	Flow-weighted	
		Grab	Composite	
Group A	pH	7.1 S.U.	N.R.	Not Specified in Permit.
Parameters	Oil and Grease	< 1.4 / < 1.4	N.R.	15 mg/L
	BOD-5	3.2 / 6.2	2.8	Not specified in permit.
	Total Suspended Solids (TSS)	160 / 150	15	N.R. = Not Required.
	Total Dissolved Solids (TDS)	260 / 240	210	1
	Phosphorus, Total	0.95 / 0.94	0.20	
Group B	Aluminum	1.4 / 0.97	0.29	
Parameters	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	Total Nitrogen (as N)	N.R.	N.R.	
Parameters	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	]
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	< 0.013 / < 0.013	< 0.013	1
	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	1,500	N.R.	
	per minute	1,000		12 A
	Method of flow measurement	Staff Gauge	<u></u>	
Rainfall	Date(s) of event monitored	09/14/17	09/14/17	
Event and Monitoring Summary	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	09/14/17	09/14/17	
	collection	0705	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	wontoring reriod.		L, Mercury, total	Permit No. NY-0000973
Group	Parameter	in ng/L via met		Compliance Limit
Oroup	i didinotor	First Flush	Flow-weighted	Tomprance Dimit
	**************************************	Grab	Composite	
Group A	pH	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.5	N.R.	15 mg/L
1 arameters	BOD-5	3.6	3.0	Not specified in permit.
	Total Suspended Solids (TSS)	54	61	N.R. = Not Required.
	Total Dissolved Solids (TDS)	330	230	1 N.K. Whot Required.
		0.34	0.23	4
G B	Phosphorus, Total Aluminum		<u> </u>	
Group B		1,2	0.93	-
Parameters	Iron	2.5	1.5	4
	Copper, Total Recoverable (TR)	0.0031	0.0061	_
	Lead (TR)	0.0016	0.0039	
	Zinc (TR)	0.013	0.029	
Group C	Total Nitrogen (as N)	< 0.75	< 0.75	
Parameters	TKN	0.62	0.42	
	Nitrate Nitrogen (as N)	0.11	0.31	
	Nitrite Nitrogen (as N)	< 0.020	< 0.020	7
	Ammonia Nitrogen (as NH3)	0.016	0.021	
	Cadmium, TR	N.R.	N.R.	1
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	-
	Selenium, TR	N.R.	N.R.	4
	Vanadium, TR	N.R.	N.R.	-
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	<0.000065	< 0.0000063	-
	Settleable Solids	N.R.	N.R.	-
	Sulfide	N.R.	N.R.	-
		9.3	N.R.	
	Mercury, Total (ng/L)	9.3 N.R.	N.R.	-
731	Paraquat Dichloride	<u> </u>		
Flow	Total Flow, gallons	N.R.	170,000	
	Maximum Flow rate, gallons	1,600	N.R.	
	per minute	CL-SC C		
D-1-C-11	Method of flow measurement	Staff Gauge	10/11/17	
Rainfall	Date(s) of event monitored	10/11/17	10/11/17	Date stant dat 1145 DDT -
Event and Monitoring Summary	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.
· <b>J</b>	Date and Time of sample	10/11/17	10/11/17	
	collection	1240	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	Wionitoring Period	Results in mg/L		Permit No. NY-0000973
Group	Parameter	First Flush Grab	Flow-weighted Composite	Compliance Limit
Group A	pH	7.6 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	1.6	N.R.	15 mg/L
	BOD-5	3.3	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	140	100	N.R. = Nor Required.
	Total Dissolved Solids (TDS)	220	130	
	Phosphorus, Total	0.29	0.24	<u> </u>
Group B	Aluminum	4.1	5.4	7
Parameters	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	Total Nitrogen (as N)	N.R.	N.R.	
Parameters	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.025	< 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	war y	
Rainfall	Date(s) of event monitored	09/14/17	09/14/17	
Event and Monitoring Summary	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	09/14/17	09/14/17	
	collection	0700	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	Results in mg/L, mL/L for Parameter Settleable Solids		_, mL/L for	Permit No. NY-0000973 Compliance Limit
Group	T di	First Flush Grab	Flow-weighted Composite	-
Group A	pH	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	1.6	N.R.	15 mg/L
T didinotors	BOD-5	2.0	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	14	32	N.R. = Not required.
	Total Dissolved Solids (TDS)	480	230	1
	Phosphorus, Total	0.049	0.090	
Group B	Aluminum	0.98	2.9	
Parameters	Iron	0.53	1.7	
Hamotots	Copper, Total Recoverable (TR)	0.0023	0.0036	
	Lead (TR)	0.0030	0.0049	7
	Zinc (TR)	0.0079	0.014	
Group C	Total Nitrogen (as N)	< 0.52	< 0.30	
Parameters	TKN	0.39	0.22	
1 41 41 41 41 41	Nitrate Nitrogen (as N)	0.11	0.064	7
	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	MANA .
	Surfactant (as LAS)	0.037	0.026	7
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.20	0.1	7
	Sulfide	0.080	< 0.050	
Flow	Total Flow, gallons	N.R.	420,000	
11000	Maximum Flow rate, gallons per minute	3,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall	Date(s) of event monitored	10/11/17	10/11/17	
Event and Monitoring Summary	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	10/11/17	10/11/17	
	collection	1250	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	Results in mg/L, mL/L for			Permit No. NY-0000973
Group	Parameter	Settleable Solid	is	Compliance Limit
		First Flush	Flow-weighted	
		Grab	Composite	
Group A	pH	7.9 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	< 1.4	N.R.	15 mg/L
	BOD-5	< 2.0	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	< 4.0	< 4.0	N.R. = Not required.
	Total Dissolved Solids (TDS)	1900	2000	
	Phosphorus, Total	0.019	0.0098	
Group B	Aluminum	< 0.060	< 0.060	
Parameters	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	Total Nitrogen (as N)	< 0.91	< 0.89	
Parameters	TKN	0.17	0.19	å i
	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	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	5,000	
	Maximum Flow rate, gallons per minute	30	N.R.	
	Method of flow measurement	Stop Watch an		
Rainfall	Date(s) of event monitored	11/16/17	11/16/17	
Event and Monitoring Summary	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	11/16/17	11/16/17	
	collection	0720	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		Results in mg/I		Permit No. NY-0000973  Compliance Limit
Group	Parameter	First Flush Grab	Flow-weighted Composite	_ Compnance Dinni
Group A	pH	7.5 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	1.5	N.R.	15 mg/L
1 drameters	BOD-5	6.3	2.2	Not specified in permit.
	Total Suspended Solids (TSS)	210	25	N.R. = Not required.
	Total Dissolved Solids (TDS)	32	46	
	Phosphorus, Total	0.97	0.065	-
Group B	Aluminum	6.2	1.3	<del></del>
Parameters	Iron	7.4	1.2	
raidincicis	Copper, Total Recoverable (TR)	0.0073	0.0017	
	Lead (TR)	0.0048	0.00095	
	Zinc (TR)	0.044	0.0086	
Group C	Total Nitrogen (as N)	8.2	< 1.1	<del></del> 1
Parameters	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	occord
	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	<b>.</b>	
Rainfall	Date(s) of event monitored	8/21/17	8/21/17	
Event and Monitoring Summary	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	8/21/17	8/21/17	
	collection	0845	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	Parameter	Results, in mg/		Permit No. NY-0000973 Compliance Limit
Group	Parameter	First Flush Grab	Flow-weighted Composite	Compliance Linix
Group A	pH	8.1 S.U.	N.R.	Not specified in permit.
Parameters	Oil and Grease	1.5	N.R.	15 mg/L
r arameters	BOD-5	2.9	< 2.0	Not specified in permit.
	Total Suspended Solids (TSS)	620	52	N.R. = Not Required.
	Total Dissolved Solids (TDS)	170	180	-
	Phosphorus, Total	0.88	0.16	-
Group B	Aluminum	16	2.6	
Parameters	Iron	19	1.8	7
	Copper, Total Recoverable (TR)	0.021	0.0044	
	Lead (TR)	0.021	0.0026	
	Zinc (TR)	0.12	0.031	
Group C	Total Nitrogen (as N)	< 2.0	< 0.58	
Parameters	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	Date(s) of event monitored	09/14/17	09/14/17	
Event and Monitoring Summary	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	09/14/17	09/14/17	
	collection	0720	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 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 <a href="http://www.dec.ny.gov/permits/93245.html">http://www.dec.ny.gov/permits/93245.html</a>.

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

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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	$\checkmark$	WORLD CONTROL OF THE PROPERTY
Cortrol IS104	GE Betz	07/01/2011	0	0	001	<b>√</b>	
Optisperse CL362	GE Betz	07/01/2011	0	0	001	<b>1</b>	
						We consider your services	
							and the same of th

<sup>\* -</sup> 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: James De	Date: 1.22.2018	Email: janice.williams@chbwv.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