



**Conveyance of Contract Deliverables - West Valley Demonstration Project**  
**Contract Number: DE-EM0001529**

Conveyance Number  
127-DLVR-042717

Date (Month, Day, Year)  
April 27, 2017

**Section 1 - Conveyance of Contract Deliverables**  
**(to be completed by the contractor)**

☒ -Initial Submittal  
☐ -Resubmittal of No. \_\_\_\_\_

To: Bridget M. Purdy

From: Jeffrey D. Bradford

DLVR #  
127

TITLE OF DELIVERABLE  
State Pollutant Discharge Elimination System  
(SPDES) Discharge Monitoring Reports

DESCRIPTION  
Monitoring of discharges to river  
including sampling, analysis, data  
management and reporting

DISPOSITION REQUESTED:

☒ Approval ☐ - Concurrence  
☐ - Information Only ☐ - Other:

This deliverable has been reviewed for sensitive information and has been marked accordingly. It is deemed to be accurate and correct, and is submitted according to contract specifications and applicable procedures.

Contractor Letter Log Number:  
WD:2017:0448

Name: Jeffrey D. Bradford

Signature:

Date of Document Conveyed

**Section 2 – Tracking and Disposition Management (to be completed by DOE-WVDP)**

Date Received (Stamp)

Record Number:

DOE Lead/Cognizant Individual:

Logged by:

Distribution:

File Code:

**Action Assigned by DOE  
Lead/Cognizant Individual**

Special Instructions or Comments:

☐ Review and Comment  
(QP-410-01-F3 required)

☐ Concurrence Review  
(QP-410-01-F3 required)

☐ Information Only  
(no response required)

Response Due Date:

Recommendation to Action Authority:

☐ Approval ☐ Concur ☐ Conditional Approval  
☐ Disapproval ☐ Non-concur ☐ Acknowledge Receipt

Respond to Comments:

☐ Yes ☐ No

Signature:

Date:

**Section 3 – Response to Contractor (to be completed by DOE-WVDP)**

Name/Title of Action Authority:

☐ Approved ☐ Conditionally Approved ☐ Disapproved  
☐ Receipt Acknowledged ☐ Concur ☐ Non-concur  
☐ Respond to Comments

Signature of Action Authority

Date :

## Bonnie Jeffery - April 2017 Monthly SPDES Discharge Monitoring Report

---

WD:2017:6448

**From:** "Dundas, Jennifer" <Jennifer.Dundas@emcbc.doe.gov>  
**To:** "Jeffery, Bonnie" <Bonnie.Jeffery@chbwv.com>  
**Date:** 5/3/2017 8:30 AM  
**Subject:** April 2017 Monthly SPDES Discharge Monitoring Report  
**CC:** "Kean, William" <william.kean@chbwv.com>, "Dundas, Jennifer" <Jennifer.D...>

---

This email confirms receipt of the subject document via pink sheet Thursday, April 27, 2017.

Thanks,

Jen

*Jennifer M. Dundas, PMP*

Regulatory Strategy & Environmental Compliance

U. S. Department of Energy

West Valley Demonstration Project

716-942-4287 (Office)

716-912-8238 (Cell)

716-942-4703 (Fax)

# 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 14171-9799

AC-PRES  
WD:2017:0448  
May 11, 2017

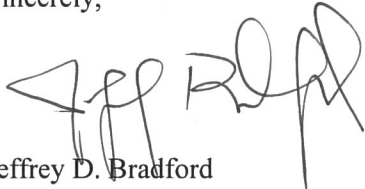
SUBJECT: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Reports

Dear Ms. Purdy:

This letter is submitted for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period April 1 through April 30, 2017 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).

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 April 1 – April 30, 2017  
B) Email Confirmation from NYSDEC

cc: B. C. Bower, DOE-WVDP  
S. A. Anderson, CHBWV  
J. J. Baker, CHBWV  
L. E. Bennett, CHBWV (Public Reading Room)  
J. L. Casper, CHBWV  
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 #1630424

**Attachment A**  
**SPDES DMR**

## DMR Copy of Record

<b>Permit</b>		<b>Permittee:</b>		<b>Facility:</b>	
<b>Permit #:</b>	NY0000973	<b>Permittee Address:</b>	U.S. DEPT OF ENERGY 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	<b>Facility Location:</b>	WEST VALLEY DEMONSTRATION PROJ 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
<b>Major:</b>	Yes	<b>Discharge:</b>	001-M OUTFALL 001 MONTHLY PROC WW, GW, STORM		
<b>Permitted Feature:</b>					
001 External Outfall					
<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	From 04/01/17 to 04/30/17	<b>DMR Due Date:</b>	05/28/17	<b>Status:</b>	NetDMR Validated
<b>Considerations for Form Completion</b>					
<b>Principal Executive Officer</b>					
<b>First Name:</b>	Bryan C.	<b>Title:</b>	Director, USDOE-WVDP	<b>Telephone:</b>	716-942-4368
<b>Last Name:</b>	Bower				
<b>No Data Indicator (NODI)</b>					
<b>Form NODI:</b> --					

Code	Parameter Name	Monitoring Location	Season	# Param. NODI	Qualifier 1	Quantity or Loading			Units	Qualifier 1	Value 1	Quality or Concentration			Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
						Value 1	Qualifier 2	Value 2				Qualifier 2	Value 2	Qualifier 3					
00154	Sulfate [as S]	1 - Effluent Gross	0	--	Sample							=	54	=	54	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	24 - COMP24	
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample							<	5.01	<	5.06	19 - mg/L	02/BA - Twice Per Batch	CA - CALCTD	
					Permit Req. Value NODI								Req Mon MO AVG <=		22 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch	CA - CALCTD	
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample				=	11				=	14	19 - mg/L	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req. Value NODI				>=	3 MINIMUM					Req Mon MAXIMUM	19 - mg/L 0	02/BA - Twice Per Batch	GR - GRAB	
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample							<	2	<	2	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG <=		10 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch	24 - COMP24	
00400	pH	1 - Effluent Gross	0	--	Sample				=	7.8				=	7.8	12 - SU	01/BA - Once Per Batch	GR - GRAB	
					Permit Req. Value NODI				>=	6.5 MINIMUM				<=	8.5 MAXIMUM	12 - SU 0	01/BA - Once Per Batch	GR - GRAB	
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							<	4	<	4	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req. Value NODI							<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch	24 - COMP24	
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample							<	0.1	<	0.1	25 - mL/L	02/BA - Twice Per Batch	GR - GRAB	
					Permit Req. Value NODI								Req Mon MO AVG <=		.3 DAILY MX	25 - mL/L 0	02/BA - Twice Per Batch	GR - GRAB	
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample							<	1.6	<	1.6	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
					Permit Req. Value NODI								Req Mon MO AVG <=		15 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	GR - GRAB	
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample							<	0.02	<	0.02	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG <=		.1 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	24 - COMP24	
00620	Nitrogen, nitrate total [as N]	1 - Effluent Gross	0	--	Sample							=	0.087	=	0.087	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	24 - COMP24	
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample							=	0.44	=	0.45	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch	24 - COMP24	
00746	Sulfide, dissolved, [as S]	1 - Effluent Gross	0	--	Sample							=	0.06	=	0.06	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG <=		.4 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	24 - COMP24	
00678	Arsenic, total recoverable	1 - Effluent Gross	0	--	Sample							=	0.00063	=	0.00063	19 - mg/L	01/BA - Once Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG <=		.15 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	24 - COMP24	
00979	Cobalt, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.0006	<	0.0006	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
					Permit Req. Value NODI								Req Mon MO AVG <=		.005 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	GR - GRAB	
00981	Selenium, total recoverable	1 - Effluent Gross	0	--	Sample							<	0.0004	<	0.0004	19 - mg/L	01/BA - Once Per Batch	GR - GRAB	
					Permit Req. Value NODI								Req Mon MO AVG <=		.004 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch	GR - GRAB	
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample							=	0.384	=	0.446	19 - mg/L	02/BA - Twice Per Batch	24 - COMP24	
					Permit Req. Value NODI								Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch	24 - COMP24	

01105 Aluminum, total [as Al]	1 - Effluent Gross	0	--	Sample	=	0.26	=	0.26	19 - mg/L	01/BA - Once Per Batch 24 - COMP24
				Permit Req.	<=	2 MO AVG	<=	4 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch 24 - COMP24
				Value NODI						
01128 Vanadium, total recoverable	1 - Effluent Gross	0	--	Sample	<	0.0015	<	0.0015	19 - mg/L	01/BA - Once Per Batch GR - GRAB
				Permit Req.		Req Mon MO AVG	<=	.014 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI						
34726 Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample	=	0.029	=	0.037	19 - mg/L	02/BA - Twice Per Batch 24 - COMP24
				Permit Req.	<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch 24 - COMP24
				Value NODI						
50050 Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.247	=	0.282	03 - MGD	02/BA - Twice Per Batch CN - CONTIN
				Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD	02/BA - Twice Per Batch CN - CONTIN
				Value NODI					0	
50060 Chlorine, total residual	1 - Effluent Gross	0	--	Sample	=	0.02	=	0.02	19 - mg/L	01/BA - Once Per Batch GR - GRAB
				Permit Req.		Req Mon MO AVG	<=	.1 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI						
70295 Solids, total dissolved	1 - Effluent Gross	0	--	Sample	=	603	=	643	19 - mg/L	02/BA - Twice Per Batch GR - GRAB
				Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L 0	02/BA - Twice Per Batch GR - GRAB
				Value NODI						
71900 Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample	=	3.2	=	3.2	3M - ng/L	01/BA - Once Per Batch GR - GRAB
				Permit Req.	<=	50 MO AVG		Req Mon DAILY MX	3M - ng/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI						
81646 Surfactants [linear alkylate sulfonate]	1 - Effluent Gross	0	--	Sample	=	0.01	=	0.01	19 - mg/L	01/BA - Once Per Batch GR - GRAB
				Permit Req.		Req Mon MO AVG	<=	.04 DAILY MX	19 - mg/L 0	01/BA - Once Per Batch GR - GRAB
				Value NODI						

#### Submission Note

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

#### Edit Check Errors

No errors.

#### Comments

As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR Part 750-2.5(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for laboratories performing analysis for this DMR is as follows: 1) TestAmerica - Buffalo: NY Lab No. 10026; and GEL Laboratories: NY Lab No. 11501. Also, 6NYCRR Part 750-2.5(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDLs or Total Residual Chlorine analyses, performed by CHBWV Plant Systems Operations is 0.01 mg/L.

#### Attachments

No attachments.

#### Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com  
Name: William Kean  
E-Mail: william.kean@chbwv.com

Date/Time: 2017-05-11 09:26 (Time Zone: -04:00)

## DMR Copy of Record

<b>Permit</b>		<b>Permittee:</b> U.S. DEPT OF ENERGY		<b>Facility:</b> WEST VALLEY DEMONSTRATION PROJ	
<b>Permit #:</b> NY0000973	<b>Major:</b> Yes	<b>Permittee Address:</b> 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	<b>Facility Location:</b> 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799		
<b>Permitted Feature:</b> 007 External Outfall		<b>Discharge:</b> 007-M SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER			
<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b> From 04/01/17 to 04/30/17		<b>DMR Due Date:</b> 05/28/17		<b>Status:</b> NetDMR Validated	
<b>Considerations for Form Completion</b>					

**Principal Executive Officer**

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

**No Data Indicator (NODI)****Form NODI:** --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					Units	# 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			
00181	Oxygen demand, ultimate	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	22 DAILY MX	19 - mg/L	01/30 - Monthly	CA - CALCTD
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample					>=	3 MINIMUM			Req Mon MAXIMUM	19 - mg/L		02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge			C - No Discharge				
					Value NODI													
00310	BOD, 5-day, 20 deg. C	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	10 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00400	pH	1 - Effluent Gross	0	--	Sample					>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU	02/30 - Twice Per Month	GR - GRAB
					Permit Req.						C - No Discharge				C - No Discharge			
					Value NODI													
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							<=	30 MO AVG	<=	45 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00545	Solids, settleable	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	.3 DAILY MX	25 - mL/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00556	Oil & Grease	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	15 DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00615	Nitrogen, nitrite total [as N]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	.1 DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
00625	Nitrogen, Kjeldahl, total [as N]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	01/30 - Monthly	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
01045	Iron, total [as Fe]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
34726	Nitrogen, ammonia, total [as NH3]	1 - Effluent Gross	0	--	Sample							<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L	02/30 - Twice Per Month	24 - COMP24
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG			01/30 - Monthly	CN - CONTIN
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	.1 DAILY MX	19 - mg/L	01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
70295	Solids, total dissolved	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG	Req Mon DAILY MX	19 - mg/L	02/30 - Twice Per Month	GR - GRAB
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample									Req Mon MO AVG <=	50 DAILY MX	3M - ng/L	01/30 - Monthly	GR - GRAB
					Permit Req.									C - No Discharge	C - No Discharge			
					Value NODI													

**Submission Note**

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

[Edit Check Errors](#)

No errors.

[Comments](#)

[Attachments](#)

No attachments.

[Report Last Saved By](#)

U.S. DEPT OF ENERGY

User: [william.kean@chbwv.com](mailto:william.kean@chbwv.com)

Date/Time:

2017-05-11 09:26 (Time Zone: -04:00)

Name: William Kean

E-Mail: [william.kean@chbwv.com](mailto:william.kean@chbwv.com)

# DMR Copy of Record

<b>Permit</b>		<b>Permittee:</b> U.S. DEPT OF ENERGY		<b>Facility:</b> WEST VALLEY DEMONSTRATION PROJ	
<b>Permit #:</b>	NY0000973	<b>Permittee Address:</b>	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	<b>Facility Location:</b>	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
<b>Major:</b>	Yes	<b>Discharge:</b>	01B-M MERCURY PRETREATMENT		
<b>Permitted Feature:</b>	01B Internal Outfall				
<b>Report Dates &amp; Status</b>					
<b>Monitoring Period:</b>	From 04/01/17 to 04/30/17	<b>DMR Due Date:</b>	05/28/17	<b>Status:</b>	NetDMR Validated
<b>Considerations for Form Completion</b>					

<b>Principal Executive Officer</b>		<b>Title:</b> Director, USDOE-WWDP		<b>Telephone:</b> 716-942-4368	
<b>First Name:</b>	Bryan C.				
<b>Last Name:</b>	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			
00056	Flow rate	1 - Effluent Gross	0	--	Sample											
					Permit Req.											
					Value NODI											
					Req Mon MO AVG										01/07 - Weekly	CN - CONTIN
					C - No Discharge											
					Req Mon DAILY MX 07 - gal/d											
					C - No Discharge											
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	--	Sample											
					Permit Req.											
					Value NODI											
					Req Mon MO AVG <=											
					C - No Discharge											
					50 DAILY MX											
					3M - ng/L											
					02/BA - Twice Per Batch											
					GR - GRAB											

## Submission Note

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

## Edit Check Errors

No errors.

## Comments

## Attachments

No attachments.

## Report Last Saved By

U.S. DEPT OF ENERGY

User: william.kean@chbwv.com

Name: William Kean

E-Mail: william.kean@chbwv.com

Date/Time: 2017-05-11 09:26 (Time Zone: -04:00)

<b>Permit #:</b> NY0000973		<b>Permittee:</b> U.S. DEPT OF ENERGY		<b>Facility:</b> WEST VALLEY DEMONSTRATION PROJ												
<b>Major:</b> Yes		<b>Permittee Address:</b> 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585		<b>Facility Location:</b> 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799												
<b>Permitted Feature:</b> 116 Internal Outfall		<b>Discharge:</b> 116-M PSEUDO MON. POINT @FRANKS CRK														
<b>Report Dates &amp; Status</b>																
<b>Monitoring Period:</b> From 04/01/17 to 04/30/17		<b>DMR Due Date:</b> 05/28/17		<b>Status:</b> NetDMR Validated												
<b>Considerations for Form Completion</b>																
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.																
<b>Principal Executive Officer</b>																
<b>First Name:</b> Bryan C.		<b>Title:</b> Director, USDOE-W/DP		<b>Telephone:</b> 716-942-4368												
<b>Last Name:</b> Bower																
<b>No Data Indicator (NODI)</b>																
<b>Form NODI:</b> --																
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. Value NODI								222	=	230	19 - mg/L	02/DS - Twice Per Discharge
												Req Mon MO AVG <=		500 DAILY MX 19 - mg/L		02/DS - Twice Per Discharge
																CA - CALCTD
<b>Submission Note</b>																
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.																
<b>Edit Check Errors</b>																
No errors.																
<b>Comments</b>																
As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR) Part 750-2.5(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for laboratories performing analysis for this DMR is as follows: 1) TestAmerica - Buffalo: NY Lab No. 10026; and GEL Laboratories: NY Lab No. 11501. Also, 6NYCRR Part 750-2.5(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDLs or Total Residual Chlorine analyses, performed by CHBWV Plant Systems Operations is 0.01 mg/L.																
<b>Attachments</b>																
Name												Type		Size		
APRIL-SPDES-DMR-TDS-CALC.pdf												pdf		34703		
<b>Report Last Saved By</b>																
U.S. DEPT OF ENERGY																
User: william.kean@chbwv.com												Date/Time: 2017-05-11 09:26 (Time Zone: -04:00)				
Name: William Kean																
E-Mail: william.kean@chbwv.com																

<b>Permit</b>		<b>Permittee:</b>		<b>Facility:</b>							
<b>Permit #:</b>	NY0000973	<b>Permittee Address:</b>	U.S. DEPT OF ENERGY 1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	<b>Facility Location:</b>	WEST VALLEY DEMONSTRATION PROJ 10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799						
<b>Permitted Feature:</b>		<b>Discharge:</b>									
SUM Internal Outfall		SUM-N SUM OF OUTFALLS 1 & 7									
<b>Report Dates &amp; Status</b>											
<b>Monitoring Period:</b>	From 04/01/17 to 04/30/17	<b>DMR Due Date:</b>	05/28/17	<b>Status:</b>	NetDMR Validated						
<b>Considerations for Form Completion</b>											
<b>Principal Executive Officer</b>											
<b>First Name:</b>	Bryan C.	<b>Title:</b>	Director, USDOE-WWDP	<b>Telephone:</b>	716-942-4368						
<b>Last Name:</b>	Bower										
<b>No Data Indicator (NODI)</b>											
Form NODI: --											
<b>Parameter Code</b>	<b>Monitoring Location</b>	<b>Season</b>	<b>Param. NODI</b>	<b>Quantity or Loading</b>	<b>Quality or Concentration</b>	<b># of Ex.</b>	<b>Frequency of Analysis</b>	<b>Sample Type</b>			
				Qualifier 1 Value 1 Qualifier 2 Value 2 Units Qualifier 1 Value 1 Qualifier 2 Value 2 Units	Qualifier 3 Value 3 Units						
10145 Iron, total [as Fe]	2 - Effluent Net	0	--	Sample Permit Req. Value NODI	=	0.38	=	0.38	19 - mg/L	01/30 - Monthly	CA - CALCTD
						Req Mon MO AVG	<=	1 DAILY MX 19 - mg/L	0	01/30 - Monthly	CA - CALCTD
<b>Submission Note</b>											
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.											
<b>Edit Check Errors</b>											
No errors.											
<b>Comments</b>											
As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR Part 750-2.5(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for laboratories performing analysis for this DMR is as follows: 1) TestAmerica - Buffalo: NY Lab No. 10026; and GEL Laboratories: NY Lab No. 11501. Also, 6NYCRR Part 750-2.5(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDLs or Total Residual Chlorine analyses, performed by CHBWW Plant Systems Operations is 0.01 mg/L.											
<b>Attachments</b>											
Name								Type		Size	
APRIL-SPDES-DMR-NET-IRON-CALC.pdf								pdf		32529	
<b>Report Last Saved By</b>											
U.S. DEPT OF ENERGY											
<b>User:</b>	william.kean@chbww.com			<b>Date/Time:</b>	2017-05-11 09:26 (Time Zone: -04:00)						
<b>Name:</b>	William Kean										
<b>E-Mail:</b>	william.kean@chbww.com										

ATTACHMENT

SPDES DISCHARGE MONITORING REPORT - APRIL 1 THROUGH APRIL 30, 2017  
NET IRON EFFLUENT CONCENTRATION CALCULATION  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT NO. NY-0000973

$$\begin{aligned}\text{OUTFALL 001} &= M1 = \frac{(X1 + X2) V1}{2} = 2429769.86 \text{ mg/month} \\ X1 &= 0.321 \text{ mg/L} \\ X2 &= 0.446 \text{ mg/L} \\ V1 &= 6335775.40 \text{ L/month}\end{aligned}$$

---

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

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

---

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

Note: Raw water from the reservoir system is no longer used for process water since the site installed two groundwater wells. This eliminated the need to collect raw water samples on a weekly basis and altered the iron discharge concentration equation as the mass of iron entering the system is no longer necessary.

$$\text{IRON DISCHARGE CONCENTRATION} = \frac{M1 + M7 - MRW}{V1 + V7} = 0.38 \text{ mg/L}$$

ATTACHMENT (Cont'd)

SPDES DISCHARGE MONITORING REPORT - APRIL 1 THROUGH APRIL 30, 2017  
TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION - MONITORING POINT 116  
WEST VALLEY DEMONSTRATION PROJECT, SPDES PERMIT No. NY-0000973

Date: April 5, 2017

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= ((0.247 \text{ MGD})(562 \text{ mg/L}) + (1.492 \text{ MGD})(184 \text{ mg/L}) + (0.324 \text{ MGD})(83 \text{ mg/L})) / (2.063 \text{ MGD}) \\ &= 213 \text{ mg/L} \end{aligned}$$

---

Date: April 11, 2017

$$\begin{aligned} C4 &= ((Q1)(C1) + (Q2)(C2) + (Q3)(C3)) / Q4 \\ &= ((0.247 \text{ MGD})(643 \text{ mg/L}) + (0.862 \text{ MGD})(163 \text{ mg/L}) + (0.324 \text{ MGD})(95 \text{ mg/L})) / (1.433 \text{ MGD}) \\ &= 230 \text{ mg/L} \end{aligned}$$

---

- 
- Q1 = Flow at Outfall 001, million gallons per day (MGD).
- C1 = Total Dissolved Solids (TDS) concentration at Outfall 001, mg/L.
- Q2 = Flow in Franks Creek, MGD (without Outfall 001), measured at WNSP006 just prior to, and shortly after the discharge event.
- C2 = TDS concentration in Franks Creek measured at WNSP006 just prior to, and shortly after the discharge event.
- Q3 = Flow of augmentation water, MGD, if required.
- C3 = TDS concentration in augmentation water, MGD.
- Q4 = Q1 + Q2 + Q3, MGD (Flow in Franks Creek, including Outfall 001).
- C4 <= 500 mg/L (calculated TDS concentration at 116 in Franks Creek, which includes Outfall 001).

**Attachment B**  
**Email Confirmation from NYSDEC**

**From:** <netdmr-notification@epa.gov>  
**To:** <janice.williams@chbvw.com>, <DOW.spdesDMR@dec.ny.gov>, <ewwohlers@cattc...>  
**Date:** 5/11/2017 9:36 AM  
**Subject:** NetDMR COR Submission Received for: NY0000973  
**Attachments:** NetDMR\_COR\_1577985\_NY0000973\_001\_M\_20170430.zip;  
NetDMR\_COR\_1577986\_NY0000973\_007\_M\_20170430.zip;  
NetDMR\_COR\_1577987\_NY0000973\_01B\_M\_20170430.zip;  
NetDMR\_COR\_1577988\_NY0000973\_116\_M\_20170430.zip;  
NetDMR\_COR\_1577989\_NY0000973\_SUM\_N\_20170430.zip

NetDMR has received the signed 5 DMR(s) and created the Copies of Record (CORs) for the 5 DMR(s) below. The submission will be forwarded for further processing.

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 001  
Discharge: M - OUTFALL 001 MONTHLY PROC WW, GW, STORM  
Monitoring Period End Date: 04/30/17  
COR Signature:  
954644bee518c732e30d6bb2099209cb8b690fab9584edae320e23da67ed55263572f4e604f778417f614  
2110cf45707842232cfe3be862a6a0b09a567ed3cd7803b9f2f0621d8ca3f7610aedfa7689914be2f36f262ef  
3f2d6f02fdd3da5a352c29a22c19e9202da1790ab65968c25a6f1fb99c1d1c6f22a4a414d18bfc1ab  
Attachments included in the COR: No

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 007  
Discharge: M - SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER  
Monitoring Period End Date: 04/30/17  
COR Signature:  
59f04d1cbb5cfb812521a1b2671cd5c3352f813280d5e1360c6efce630786000daf7a204e70b437290f070e  
236d7d8890f93032b92ba65cf444950a3e3f89dfda4601fe296ed1193a9fdad80b63f53cb9e5a373511a995  
3c0cf7386750992f3b7308ee049c3da5691c8ae922db4d233526a209e9c0b71df08141074774c0e3f7  
Attachments included in the COR: No

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 01B  
Discharge: M - MERCURY PRETREATMENT  
Monitoring Period End Date: 04/30/17  
COR Signature:  
1b05f5944941bdd4b3e5d02c875c89966e6355a5d50d054ea42a5385240de4848d75f3bef3915da26bca32  
37c1ff96b46e877201691b86aea6bab45d6844f785beeabb329851e323b7a1746d8c3e8ae31aeba14ab2b0  
6077782c57282b1413311339b95a899467559d8b9aa9c29465a698d84514a600cd59e8341260f283d616  
Attachments included in the COR: No

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ  
Permit ID: NY0000973  
Permitted Feature: 116  
Discharge: M - PSEUDO MON. POINT @FRANKS CRK  
Monitoring Period End Date: 04/30/17  
COR Signature:  
1398aabdcd2d2d0d0cf22d69a5840aace9511612b47f967abe350e0c262ad182794377b8789be7e0fb3316  
650c335c44938e04b1572f50f1aa3767b7452e4f46c344a446905257f77b4d0b358b217907b295967f39a9e

ca44462e1e6b1849e17973112c269748771899e52c60e4dbdbefdcbebe6aa38842ca277ebcfb84030c3

Attachments included in the COR: Yes

APRIL-SPDES-DMR-TDS-CALC.pdf

-----  
Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ

Permit ID: NY0000973

Permitted Feature: SUM

Discharge: N - SUM OF OUTFALLS 1 & 7

Monitoring Period End Date: 04/30/17

COR Signature:

539c8d6acd4c1db745379d93aaf5702f1d73cd7db2801cd794731d21b229a331afa6fb41e2e2578c76e61e  
d6bff46bc995fb4a2a59d4fa2232585cc1a94d86fcb079390d917a517e90b125f6a80e5bbf76f0815a7718a9  
016afd067274e7d2dad13f8dd0f5cd0242b803c5464dcac4d2d52d1efce966fe8dfa13aa30abd46f22

Attachments included in the COR: Yes

APRIL-SPDES-DMR-NET-IRON-CALC.pdf

Thank you.

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

**Subject:** NetDMR COR Submission Received for: NY0000973  
**Created By:** netdmr-notification@epa.gov  
**Scheduled Date:**  
**Creation Date:** 5/11/2017 9:36 AM  
**From:** <netdmr-notification@epa.gov>

Recipient	Action	Date & Time	Comment
To: (R9.NetDMR@dec.ny.gov)			
To: (DOW.spdesDMR@dec.ny.gov)			
To: (ewwohlers@cattco.org)			
To: Amanda Steiner (Amanda.Steiner@emcbc.doe.gov)			
To: Bonnie Jeffery (Bonnie.Jeffery@chbwv.com)			
To: Christine Lee (Christine.Lee@chbwv.com)			
To: James Baker (James.Baker@chbwv.com)			
To: Janice Williams (Janice.Williams@chbwv.com)			
To: Jason Casper (Jason.Casper@chbwv.com)			
To: Jennifer Dundas (Jennifer.Dundas@emcbc.doe.gov)			
To: Lynette Bennett (Lynette.Bennett@chbwv.com)			
To: Moira Maloney (Moira.Maloney@emcbc.doe.gov)			
To: William Kean (William.Kean@chbwv.com)			

## CORRESPONDENCE CONTROL SHEET

Correspondence Code <u>WD : 2017 : 0448</u>	Author's Name & Extension William Kean/4865	Date Review Submitted 4/26/17	Date Review Due 5/10/17	File Series Code
Subject: Contract No. DE-EM0001529, Section J-3, Item 127, State Pollutant Discharge Monitoring System (SPDES) Discharge Monitoring Reports				

Does this Correspondence Respond to any DOE or Regulator Correspondence?

☒ No  
☐ Yes – If yes, then identify the following: Correspondence Code: \_\_\_\_\_ OITS Number: \_\_\_\_\_

Does this correspondence contain Official Use Only (OUO) information?

*[i.e., information is certain unclassified information that may be exempt from public release under the Freedom of Information Act (FOIA), (Exemptions 3-9) and has the potential to damage governmental, commercial, or private interests if disseminated to persons who do not need to know the information to perform their jobs or other DOE authorized activities; refer to WVDP-402 for additional guidance on this determination.]*

☒ No  
☐ Yes - If yes, ensure the document(s) is properly stamped and marked as OUO per requirements of WVDP-402. If Administratively Confidential or Proprietary, documentation must also be properly marked as such per requirements of WVDP-402.

Does this correspondence contain ECI (OUO, FOIA Exemption 3)?

*[i.e., technical information that would be restricted by statute; refer to WVDP-402 for guidance on this determination.]*

☒ No  
☐ Yes - If yes, ensure the document(s) is properly stamped and marked as ECI and OUO per requirements of WVDP-402 and Export Technology Control Officer (ETCO) or trained alternate signature & date are obtained on the document(s).

OUO Reviewer/ECI Screener or ECI Document Reviewer: K. J. Mansfield

Printed Name/Signature

Funding Commitment

Does this correspondence commit funds?

☒ No  
☐ Yes - If yes, then obtain Business Manager/CFO and Planning & Integration Manager review.

## REVIEWER APPROVALS (only used for hard copy process)

Printed Name	Signature	Date	Approve	Approve w/Comments	Disapprove
William Kean	<i>W. N. Kean</i>	4/26/17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Michael Pendl (Peer)	<i>Michael Pendl</i>	4-26-17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Janice Williams	<i>Janice Williams</i>	4.27.17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lynn Hollfelder	<i>Lynn Hollfelder</i>	5/3/17	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Jennifer Dundas	<i>Jennifer Dundas</i>	5/3/17	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Reviewer initial & date indicating satisfactory resolution of disapproved comments:  
 (only used for hard copy process)

*\* See tabbed page - make any necessary modifications prior to submittal. THX Jan 5/3/17*