West Valley Cleanup Alliance

Ms. Jennifer Splitt, Administrative Contracting Officer
U. S. Department of Energy
550 Main Street, Room 7-010
Cincinnati, OH 45202

WD:2026:0129
February 12, 2026

Attn: Jennifer M. Dundas

SUBJECT: West Valley Cleanup Alliance (WVCA) Contract No. 89303325DEM000121, Section J-4, Item 122, "State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the Period January 1, 2026 through January 31, 2026" for SPDES Permit No. NY0000973, West Valley Demonstration Project (WVDP)

Dear Ms. Splitt:

This letter is being submitted by the West Valley Cleanup Alliance (WVCA) to inform the Contracting Officer Representative that the State Pollutant Discharge Elimination System (SPDES), Network Discharge Monitoring Report (NetDMR) for the West Valley Demonstration Project (WVDP) (Permit Number NY-0000973) and Net Iron calculation sheet, with the reporting period of January 1, through January 31, 2026, has been submitted electronically. A copy of the email confirmation from the New York State Department of Environmental Conservation (NYSDEC) is included with this letter.

Additionally, a scheduled discharge from Outfall 001 occurred in November 2025 and was previously included in the November 2025 NetDMR, as "Discharge 001-Z". To fulfill the fourth quarter 2025 SPDES report requirement, the "Outfall 001 WET Testing" data for the November 2025 discharge has been included in this NetDMR. The Whole Effluent Toxicity (WET) Test data report for the November 2025 discharge from Outfall 001 and a discussion of the findings are included in this submittal. A copy of the email confirmation from NYSDEC is also attached.

If you have any questions, please contact Anna Carr at (716) 942-4865 or Linda Michalczak at (716) 942-4907.

Sincerely,

JASON CASPER (Affiliate)
Digitally signed by JASON CASPER (Affiliate)
Date: 2026.02.12 10:42:35 -05'00'

Jason L. Casper
President and Program Manager

JLC:AVC:mlv

Attachments:
A) SPDES DMR for January 1 through January 31, 2026 Monitoring Period
B) Whole Effluent Toxicity (WET) Testing Final Report for the November 2025 Discharge
C) Email Confirmation from NYSDEC

cc: S. M. Bousquet, DOE-WVDP
B. C. Bower, DOE-WVDP
J. M. Dundas, DOE-WVDP
W. T. Frederick, DOE-WVDP
J. A. Miller, DOE-WVDP
A. V. Carr, WVCA
J. L. Casper, WVCA
S. A. Cherry, WVCA
L. K. Hollfelder, WVCA
E. A. Lowes, WVCA
I. P. Macauley, WVCA
J. K. Mantione, WVCA
D. M. Martinet, WVCA
L. M. Michalczak, WVCA
J. T. Pillittere, WVCA (Public Reading Room)
J. E. Sansone, WVCA
J. R. Schinzel, WVCA
OITS, WVCA 2530487
Records, WVCA
DOE Support Staff, DOE-WVDP

Attachment A
WEST VALLEY DEMONSTRATION PROJECT (WVDP)
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE MONITORING REPORT (DMR)
SPDES PERMIT NO. NY-0000973

JANUARY 1 THROUGH JANUARY 31, 2026 MONITORING PERIOD

Attachment A
WEST VALLEY DEMONSTRATION PROJECT
SPDES DMR
SPDES PERMIT NO. NY-0000973
JANUARY 1 THROUGH JANUARY 31, 2026

SYNOPSIS

The West Valley Cleanup Alliance (WVCA) has prepared this State Pollutant Discharge Elimination System (SPDES) Discharge Monitoring Report (DMR) for the West Valley Demonstration Project (WVDP), per the requirements of the SPDES Permit Number NY-0000973 for the January 1 through January 31, 2025 Monitoring Period. The Synopsis, Net Iron Calculations, and Online DMR are included as this Attachment (Attachment A). There were no discharges from Outfall 001-M (monthly), 116-M (pseudo monitoring point at Franks Creek), and Sum-N (sum of outfalls). Discharges from internal Outfalls 007-M (sanitary cooling water, stormwater) and 01B-M (mercury pre-treatment) during this monitoring period also did not occur. Per the SPDES requirements, quarterly "WET Test" reporting is required for Outfalls 001 and 007. No discharge occurred from Outfall 007 during the fourth quarter of 2025; however, as previously reported, the following table shows the WET Test results of the November Lagoon 3 discharge from Outfall 001 that occurred during the fourth quarter of 2025. The Lagoon 3 discharge from Outfall 001 complied with the permit limits for both the acceptability criteria of "Acute Toxicity" (TUa of ≤0.3 maximum) and "Chronic Toxicity" (TUc of ≤1.0 maximum) with the *Ceriodaphnia dubia* species.

***Ceriodaphnia dubia* Test Results**

Permittee name: West Valley Demonstration Project Permit number: NY0000973
Client sample ID: Outfall 001 Test Dates: 11/14/25 - 11/22/25

Test Acceptability Criteria

Lab Control Survival:	100	%	Mean Lab Control Reproduction:	26.2	young per female
Diluent Control Survival:	100	%	Mean Diluent Control Reproduction:	30.6	young per female
Thiosulfate Control Survival:	NA	%	Mean Thiosulfate Control Reproduction:	NA	young per female

Presence of an asterisk (*) indicates EPA criteria was not met, see explanation in the "Results Discussion" section at the bottom of the following page.

Test Results

		Permit Limit	Test Result	Pass/Fail Status
Acute Data	48 hr LC50		>100%	
	48 hr NOEC		100%	
	TUa	≤ 0.3	0.3	Pass
Chronic Data	Chronic LC50		>100%	
	Survival C-NOEC		100%	
	Survival C-LOEC		>100%	
	Survival IC25		>100%	
	Survival TUc[1]	≤ 1.0	1.0	Pass
	Reproduction C-NOEC		100%	
	Reproduction C-LOEC		>100%	
	Reproduction IC25		>100%	
	Reproduction TUc[1]	≤ 1.0	1.0	Pass
	MATC		>100%	
	Reportable TUc	≤ 1.0	1.0	Pass

[1] TUc corresponding to the lowest NOEC or IC25

Attachment A (continued)
WEST VALLEY DEMONSTRATION PROJECT
SPDES DMR
SPDES PERMIT NO. NY-0000973
JANUARY 1 THROUGH JANUARY 31, 2026

SYNOPSIS

Additionally, the WVCA has revised Sulfate as [S] data values for Outfall 001-M that were reported in the 2025 June and November DMRs, and the TDS value that was reported in the November 2025 DMR, as follows:

- On February 6, 2026, the Sulfate [as S] data reported in the June 2025 DMR was revised from 124 mg/L (Monthly Average/Daily Maximum) to 43.9 (Monthly Average) and 45.1 mg/L (Daily Maximum).

- On February 6, 2026, the Sulfate [as S] data reported in the November 2025 DMR was revised from 170.0 mg/L (Monthly Average) and 171.0 (Daily Maximum) to 56.7 (Monthly Average) and 57.1 mg/L (Daily Maximum). Also, the "<" value reported for TDS has been changed to "=".

Attachment A (continued)
WEST VALLEY DEMONSTRATION PROJECT
SPDES DMR
SPDES PERMIT NO. NY-0000973
JANUARY 1 THROUGH JANUARY 31, 2026

NET IRON EFFLUENT CONCENTRATION CALCULATIONS

OUTFALL 001 = $M1 = \frac{(X1 + X2)\ V1}{2}$ = 0 mg/month

X1 = 0.00 mg/L

X2 = 0.00 mg/L

V1 = 0.00 L/month

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

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

X1 = 0.00 mg/L

X2 = 0.00 mg/L

V7 = 0.00 L/month

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

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

X1 = 0.00 mg/L

X2 = 0.00 mg/L

X3 = 0.00 mg/L

X4 = 0.00 mg/L

VRW = 0.00 L/month

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.

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

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

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

Report Dates & Status

Monitoring Period:	**From 01/01/26 to 01/31/26**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00154	**Sulfate [as S]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00181	**Oxygen demand, ultimate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
					Value NODI									C - No Discharge		C - No Discharge				
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/BA - Once Per Batch	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00545	**Solids, settleable**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00615	**Nitrogen, nitrite total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00620	**Nitrogen, nitrate total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite

					Value NODI									C - No Discharge		C - No Discharge					
00625	**Nitrogen, Kjeldahl, total [as N]**	1 - Effluent Gross	0	--	Sample															02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
00746	**Sulfide, dissolved, [as S]**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
00978	**Arsenic, total recoverable**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
00979	**Cobalt, total recoverable**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
00981	**Selenium, total recoverable**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.004 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
01045	**Iron, total [as Fe]**	1 - Effluent Gross	0	--	Sample															02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
01105	**Aluminum, total [as Al]**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.								<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
01128	**Vanadium, total recoverable**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
34726	**Nitrogen, ammonia, total [as NH3]**	1 - Effluent Gross	0	--	Sample															02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.								<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample															02/BA - Twice Per Batch	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD											
					Value NODI		C - No Discharge		C - No Discharge												
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
70295	**Solids, total dissolved**	1 - Effluent Gross	0	--	Sample															02/BA - Twice Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.								<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L				
					Value NODI									C - No Discharge		C - No Discharge					
81646	**Surfactants [linear alkylate sulfonate]**	1 - Effluent Gross	0	--	Sample															01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L				
					Value NODI									C - No Discharge		C - No Discharge					

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
WVDP_January_2026_Synopsis.pdf	pdf	552358.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com

Date/Time:	2026-02-10 14:50 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

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Permit

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

Report Dates & Status

Monitoring Period:	**From 06/01/25 to 06/30/25**	**DMR Due Date:**	**07/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00154	**Sulfate [as S]**	1 - Effluent Gross	0	--	Sample								=	43.9	=	45.1	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI															
00181	**Oxygen demand, ultimate**	1 - Effluent Gross	0	--	Sample								=	5.71	=	5.87	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
					Permit Req.									Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
					Value NODI															
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample						=	5.62			=	7.28	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample								=	2.1	=	2.3	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	7.77			=	7.77	12 - SU		01/BA - Once Per Batch	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/BA - Once Per Batch	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample								<	4.0	<	4.0	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI															
00545	**Solids, settleable**	1 - Effluent Gross	0	--	Sample								<	0.1	<	0.1	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample								<	1.59	<	1.59	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI															
00615	**Nitrogen, nitrite total [as N]**	1 - Effluent Gross	0	--	Sample								<	0.033	<	0.033	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI															
00620	**Nitrogen, nitrate total [as N]**	1 - Effluent Gross	0	--	Sample								<	0.033	<	0.033	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite

					Value NODI																
00625	**Nitrogen, Kjeldahl, total [as N]**	1 - Effluent Gross	0	--	Sample									=	0.56	=	0.59	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
00746	**Sulfide, dissolved, [as S]**	1 - Effluent Gross	0	--	Sample									<	0.033	=	0.033	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI																
00978	**Arsenic, total recoverable**	1 - Effluent Gross	0	--	Sample									=	0.0012	=	0.0012	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI																
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.										Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
00981	**Selenium, total recoverable**	1 - Effluent Gross	0	--	Sample									<	0.00044	<	0.00044	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.										Req Mon MO AVG	<=	0.004 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
01045	**Iron, total [as Fe]**	1 - Effluent Gross	0	--	Sample									=	0.1086	=	0.15	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
01105	**Aluminum, total [as Al]**	1 - Effluent Gross	0	--	Sample									<	0.088	<	0.088	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					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	<=	0.014 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
34726	**Nitrogen, ammonia, total [as NH3]**	1 - Effluent Gross	0	--	Sample									<	0.031	=	0.053	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	0.235	=	0.286	03 - MGD										02/BA - Twice Per Batch	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										02/BA - Twice Per Batch	CN - Continuous
					Value NODI																
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample									=	0.04	=	0.04	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.										Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
70295	**Solids, total dissolved**	1 - Effluent Gross	0	--	Sample									=	735.0	=	738.0	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI																
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample									=	1.7	=	1.7	3M - ng/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.									<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
81646	**Surfactants [linear alkylate sulfonate]**	1 - Effluent Gross	0	--	Sample									=	0.014	=	0.014	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.										Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L		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(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP's DMR's are as follows: 1) Eurofins: NY Lab No 10026; 2). General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by CHBWV (West Valley Cleanup Alliance, as of June 25, 2025), Environmental Services is 0.02 mg/L. Note: On 2/6/2026 the Sulfate [as S] data reported in the June 2025 DMR has been revised from 124 mg/L (Monthly Average/Daily Maximum) to 43.9 (Monthly Average) and 45.1 mg/L (Daily Maximum).

Attachments

Name	Type	Size
WVDP_June_2025_WET_Testing_Final_Report.pdf	pdf	2559201.0
WVDP_June_2025_SemiAnnual_Stormwater_Data.pdf	pdf	330744.0
WVDP_June_2025_Synopsis.pdf	pdf	391123.0

Report Last Saved By

U.S. DEPT OF ENERGY	
User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-06 12:55 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

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

Report Dates & Status

Monitoring Period:	**From 11/01/25 to 11/30/25**	**DMR Due Date:**	**12/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00154	**Sulfate [as S]**	1 - Effluent Gross	0	--	Sample								=	56.7	=	57.1	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI															
00181	**Oxygen demand, ultimate**	1 - Effluent Gross	0	--	Sample								=	8.05	=	8.53	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
					Permit Req.									Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	CA - Calculated
					Value NODI															
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample						=	8.2			=	9.1	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI															
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample								=	2.69	=	2.73	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	8.0			=	8.0	12 - SU		01/BA - Once Per Batch	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		01/BA - Once Per Batch	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample								<	3.1	<	4.0	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI															
00545	**Solids, settleable**	1 - Effluent Gross	0	--	Sample								<	0.1	<	0.1	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI															
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample								<	1.61	<	1.61	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI															
00615	**Nitrogen, nitrite total [as N]**	1 - Effluent Gross	0	--	Sample								<	0.03	<	0.03	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI															
00620	**Nitrogen, nitrate total [as N]**	1 - Effluent Gross	0	--	Sample								=	0.06	=	0.06	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite

					Value NODI																
00625	**Nitrogen, Kjeldahl, total [as N]**	1 - Effluent Gross	0	--	Sample									=	0.88	=	1.0	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
00746	**Sulfide, dissolved, [as S]**	1 - Effluent Gross	0	--	Sample									<	0.03	<	0.03	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG	<=	0.4 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI																
00978	**Arsenic, total recoverable**	1 - Effluent Gross	0	--	Sample									=	0.0019	=	0.0019	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG	<=	0.15 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Value NODI																
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.										Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
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.										Req Mon MO AVG	<=	0.004 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
01045	**Iron, total [as Fe]**	1 - Effluent Gross	0	--	Sample									=	0.14	=	0.18	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
01105	**Aluminum, total [as Al]**	1 - Effluent Gross	0	--	Sample									<	0.088	<	0.088	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									<=	2.0 MO AVG	<=	4.0 DAILY MX	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					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	<=	0.014 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
34726	**Nitrogen, ammonia, total [as NH3]**	1 - Effluent Gross	0	--	Sample									=	0.17	=	0.17	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.									<=	1.5 MO AVG	<=	2.1 DAILY MX	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Value NODI																
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	0.17	=	0.35	03 - MGD										02/BA - Twice Per Batch	CN - Continuous
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD										02/BA - Twice Per Batch	CN - Continuous
					Value NODI																
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample									=	0.02	=	0.02	19 - mg/L		02/BA - Twice Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
70295	**Solids, total dissolved**	1 - Effluent Gross	0	--	Sample									=	873.0	=	884.0	19 - mg/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.										Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI																
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample									=	0.0014	=	0.0014	3M - ng/L		01/BA - Once Per Batch	24 - 24 Hour Composite
					Permit Req.									<=	50.0 MO AVG		Req Mon DAILY MX	3M - ng/L		01/BA - Once Per Batch	GR - Grab
					Value NODI																
81646	**Surfactants [linear alkylate sulfonate]**	1 - Effluent Gross	0	--	Sample									<	0.04	<	0.04	19 - mg/L		01/BA - Once Per Batch	GR - Grab
					Permit Req.										Req Mon MO AVG	<=	0.04 DAILY MX	19 - mg/L		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(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1). Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the West Valley Cleanup Alliance, as of June 25, 2025, Environmental Services is 0.02 mg/L. Note: On 2/6/2026 the Sulfate [as S] data reported in the November 2025 DMR has been revised from 170.0 mg/L (Monthly Average) and 171.0 (Daily Maximum) to 56.7 (Monthly Average) and 57.1 mg/L (Daily Maximum). Also, the "<" for the TDS reported result has been changed to "=".

Attachments

Name	Type	Size
WVDP_November_2025_Synopsis.pdf	pdf	464626.0

Report Last Saved By

U.S. DEPT OF ENERGY

User: WVDPAC2025

Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-06 13:19 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0000973**	**Permittee:**	U.S. DEPT OF ENERGY	**Facility:**	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	**Permittee Address:**	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	**Facility Location:**	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	007 External Outfall	**Discharge:**	**007-M** SANITARY, NC COOLING WATER, UTILITY WASTEWATER, STORMWATER		

Report Dates & Status

Monitoring Period:	**From 01/01/26 to 01/31/26**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00181	**Oxygen demand, ultimate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	22.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - Calculated
					Value NODI									C - No Discharge		C - No Discharge				
00300	**Oxygen, dissolved [DO]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	3.0 MINIMUM				Req Mon MAXIMUM	19 - mg/L		02/30 - Twice Per Month	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				
00310	**BOD, 5-day, 20 deg. C**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	10.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00400	**pH**	1 - Effluent Gross	0	--	Sample															
					Permit Req.						>=	6.5 MINIMUM			<=	8.5 MAXIMUM	12 - SU		02/30 - Twice Per Month	GR - Grab
					Value NODI							C - No Discharge				C - No Discharge				
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	30.0 MO AVG	<=	45.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00545	**Solids, settleable**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	0.3 DAILY MX	25 - mL/L		02/30 - Twice Per Month	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00556	**Oil & Grease**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	15.0 DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
00615	**Nitrogen, nitrite total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/30 - Monthly	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
00625	**Nitrogen, Kjeldahl, total [as N]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
01045	**Iron, total [as Fe]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite

					Value NODI									C - No Discharge		C - No Discharge				
34726	**Nitrogen, ammonia, total [as NH3]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.								<=	1.49 MO AVG	<=	2.1 DAILY MX	19 - mg/L		02/30 - Twice Per Month	24 - 24 Hour Composite
					Value NODI									C - No Discharge		C - No Discharge				
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample															
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	03 - MGD									01/30 - Monthly	CN - Continuous
					Value NODI		C - No Discharge		C - No Discharge											
50060	**Chlorine, total residual**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	0.1 DAILY MX	19 - mg/L		01/30 - Monthly	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
70295	**Solids, total dissolved**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		02/30 - Twice Per Month	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		01/30 - Monthly	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 09:45 (Time Zone: -05:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0000973**	**Permittee:**	U.S. DEPT OF ENERGY	**Facility:**	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	**Permittee Address:**	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	**Facility Location:**	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	01B Internal Outfall	**Discharge:**	**01B-M** MERCURY PRETREATMENT		

Report Dates & Status

Monitoring Period:	**From 01/01/26 to 01/31/26**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00056	**Flow rate**	1 - Effluent Gross	0	--	Sample															
					Permit Req.		Req Mon MO AVG		Req Mon DAILY MX	07 - gal/d									01/07 - Weekly	CN - Continuous
					Value NODI		C - No Discharge		C - No Discharge											
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	50.0 DAILY MX	3M - ng/L		02/BA - Twice Per Batch	GR - Grab
					Value NODI									C - No Discharge		C - No Discharge				

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 09:45 (Time Zone: -05:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

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Permit

Permit #:	**NY0000973**	**Permittee:**	U.S. DEPT OF ENERGY	**Facility:**	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	**Permittee Address:**	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	**Facility Location:**	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	116 Internal Outfall	**Discharge:**	**116-M** PSEUDO MON. POINT @FRANKS CRK		

Report Dates & Status

Monitoring Period:	**From 01/01/26 to 01/31/26**	**DMR Due Date:**	**02/28/26**	**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	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
70295	**Solids, total dissolved**	Z - Instream Monitoring	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - Calculated
					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:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 09:46 (Time Zone: -05:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

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

Report Dates & Status

Monitoring Period:	**From 10/01/25 to 12/31/25**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

SEE PERMIT FOOTNOTES FOR WET TESTING REQUIREMENTS

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
61425	**Toxicity [acute], Ceriodaphnia dubia**	V - See Comments	0	--	Sample										=	0.3	2F - tox acute	0	01/90 - Quarterly	24 - 24 Hour Composite
					Permit Req.										<=	0.3 MAXIMUM	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI															
61426	**Toxicity [chronic], Ceriodaphnia dubia**	V - See Comments	0	--	Sample										=	1.0	2G - tox chronic	0	01/90 - Quarterly	24 - 24 Hour Composite
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI															
61427	**Toxicity [acute], Pimephales promelas [Fathead Minnow]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.3 MAXIMUM	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
61428	**Toxicity [chronic], Pimephales promelas [Fathead Minnow]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											9 - Conditional Monitoring - Not Required This Period				

Submission Note

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Edit Check Errors

No errors.

Comments

This Outfall 001 WET Testing was reported in the December 2025 DMR, for a discharge that occurred in November 2025. The data was submitted under the "Unscheduled DMR, Permit NY0000973, Permitted Feature 001, Limit Set Z" option in NetDMR; these data are being resubmitted as the scheduled WET Testing Quarterly for Outfall 001. As required in Title 6 of the New York State Codes, Rules, and Regulations 6NYCRR, Part 750-2(e)(3), the New York Environmental Laboratory Accreditation Program (NYELAP) identification numbers for Laboratories performing analysis for the WVDP DMR's are as follows: 1) Eurofins: NY Lab No. 10026; 2) General Engineering Laboratory: NY Lab No. 11501, and New England Bioassay (NEB): NY Lab No. 12157. Also, NYCRR Part 750-2(e)(3) requires reporting of Method Detection Limits (MDLs) where monitoring is not performed under ELAP. To that end, the MDL for Total Residual Chlorine analysis, performed by the West Valley Cleanup Alliance (WVCA) Environmental Services is 0.02 mg/L.

Attachments

Name	Type	Size
WVDP_November_2025_Whole_Effluent_Toxicity_Test_Final_Report.pdf	pdf	11724487.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr

E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 09:43 (Time Zone: -05:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

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Permit

Permit #:	**NY0000973**	**Permittee:**	U.S. DEPT OF ENERGY	**Facility:**	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	**Permittee Address:**	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	**Facility Location:**	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	007 External Outfall	**Discharge:**	**007-W** OUTFALL 007 WET TESTING QUARTERLY		

Report Dates & Status

Monitoring Period:	**From 10/01/25 to 12/31/25**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

SEE PERMIT FOOTNOTES FOR WET TESTING REQUIREMENTS

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
61425	**Toxicity [acute], Ceriodaphnia dubia**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.3 MAXIMUM	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											C - No Discharge				
61426	**Toxicity [chronic], Ceriodaphnia dubia**	V - See Comments	0	--	Sample															
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											C - No Discharge				
61427	**Toxicity [acute], Pimephales promelas [Fathead Minnow]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	0.3 MAXIMUM	2F - tox acute		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											C - No Discharge				
61428	**Toxicity [chronic], Pimephales promelas [Fathead Minnow]**	V - See Comments	0	--	Sample															
					Permit Req.										<=	1.0 MAXIMUM	2G - tox chronic		01/90 - Quarterly	24 - 24 Hour Composite
					Value NODI											C - No Discharge				

Submission Note

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Edit Check Errors

No errors.

Comments

Attachments

No attachments.

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 09:26 (Time Zone: -05:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM

Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

DMR Copy of Record

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Permit

Permit #:	**NY0000973**	**Permittee:**	U.S. DEPT OF ENERGY	**Facility:**	WEST VALLEY DEMONSTRATION PROJ
Major:	Yes	**Permittee Address:**	1000 INDEPENDENCE AVE SW WASHINGTON, DC 20585	**Facility Location:**	10282 ROCK SPRINGS ROAD WEST VALLEY, NY 14171-9799
Permitted Feature:	SUM Internal Outfall	**Discharge:**	**SUM-N** SUM OF OUTFALLS 1 & 7		

Report Dates & Status

Monitoring Period:	**From 01/01/26 to 01/31/26**	**DMR Due Date:**	**02/28/26**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Bryan	**Title:**	Director-WVDP-DOE	**Telephone:**	716-942-4368
Last Name:	Bower				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
01045	**Iron, total [as Fe]**	2 - Effluent Net	0	--	Sample															
					Permit Req.									Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - Calculated
					Value NODI									C - No Discharge		C - No Discharge				

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name	Type	Size
WVDP_January_2026_Net_Iron_Calculation.pdf	pdf	203153.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2026-02-10 14:50 (Time Zone: -05:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2026-02-11 08:45 (Time Zone: -05:00)

Attachment B
WEST VALLEY DEMONSTRATION PROJECT (WVDP)
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE MONITORING REPORT (DMR)
SPDES PERMIT NO. NY-0000973

JANUARY 1 THROUGH JANUARY 31, 2026 MONITORING PERIOD

WHOLE EFFLUENT TOXICITY (WET) TESTING FINAL REPORT FOR THE NOVEMBER 2025 DISCHARGE

eurofins | Environment Testing

1 2 3 4 5

ANALYTICAL REPORT

PREPARED FOR

Attn: Chester Wrotniak
West Valley Cleanup Alliance LLC (WVCA)
10282 Rock Springs Road
West Valley, New York 14171-9799

Generated 12/5/2025 5:02:28 PM

JOB DESCRIPTION

SPDES
1562

JOB NUMBER

480-234560-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NHDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
12/5/2025 5:02:28 PM

Authorized for release by
John Schove, Project Manager II
John.Schove@et.eurofinsus.com
(716)504-9838

Table of Contents

Case Narrative

Client: West Valley Cleanup Alliance LLC (WVCA) Job ID: 480-234560-1
Project: SPDES

Job ID: 480-234560-1 Eurofins Buffalo

Job Narrative
480-234560-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 11/14/2025 8:11 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Subcontract Work
Method Whole Effluent Toxicity (WET) Testing - C. Dubia: This method was subcontracted to New England Bioassay a division of GZA. The subcontract laboratory certification is different from that of the facility issuing the final report. The subcontract report is appended in its entirety.

Sample Summary

Client: West Valley Cleanup Alliance LLC (WVCA)
Job ID: 480-234560-1
Project/Site: SPDES
SDG: 1562

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
480-234560-1	2025-07032 WNSP001	Water	11/13/25 12:30	11/14/25 08:11	NY
480-234560-2	2025-07037 WNERB53	Water	11/13/25 12:00	11/14/25 08:11	NY

New England Bioassay Inc.
Aquatic Toxicity Testing Services
276 Addison Road
Windsor, CT 06095
(860)-643-9560
www.nebio.com

CHRONIC AQUATIC TOXICITY TEST REPORT

Permitee: West Valley Demonstration Project NPDES # NY0000973
Report submitted to: Eurofins
10 Hazelwood Dr, Amherst NY
Sample ID: Outfall 001
Test Month/Year: November 2025
NEB Proj # 44240

Test Type / Method: *Ceriodaphnia dubia* Modified Chronic Static-Renewal Freshwater Test Method 1002.0; EPA 821-R-02-013

Effluent Sample Dates #1 11/12-13/25 #2 11/16-17/25

Test Start Date: 11/14/25

Results Summary

Your results were as follows:

Passed all permit limits

Acute Test Results

Species	LC50	TUa	Permit Limit	Pass / Fail
Ceriodaphnia dubia	>100%	0.3	TUa ≤ 0.3	Pass

Chronic Test Results

Species	C-NOEC	TUc	IC25	Permit Limit	Pass/Fail
Ceriodaphnia dubia	100%	1.0	>100%	TUc ≤ 1.0	Pass

Data Qualifiers affecting this test:

Certifications & Approvals: NH ELAP (2071), NJ DEP (CT405), NYSDOH (12157)

Test Report Certification

Permittee name: West Valley Demonstration Project Permit number: NY0000973

Client sample ID: Outfall 001 Test Start Date: 11/14/25

Whole Effluent Toxicity Test Report Certification (Permittee)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on: _____ (Date)

_____ Authorized Signature

_____ Print or Type Name and Title

_____ Print or Type the Permittee's Name

NY0000973 Print or Type the NPDES Permit Number

Whole Effluent Toxicity Test Report Certification (Bioassay Laboratory)

The results reported relate only to the samples submitted as received

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on: 12/4/25 (Date)

Kimberly Wills

Kimberly Wills
Laboratory Director
New England Bioassay Inc.

General Test Conditions

Permittee name: West Valley Demonstration Project Permit number: NY0000973

Client sample ID: Outfall 001 Test Start Date: 11/14/25

Sample Collection Information

Effluent #1 Dates/Times: 11/12-13/25 @ 1230 - 1230 Receiving Water #1 Date/Time: 11/13/25 @ 1200

Effluent #2 Dates/Times: 11/16-17/25 @ 1030 - 1030 Receiving Water #2 Date/Time: 11/17/25 @ 1000

Were a minimum of three samples collected? Yes ☐ No ☑ *(see note below)

Were samples used within the first 36 hours of collection? Yes ☑ No ☐ * (see note below)

* sample collection note: NYSDEC has approved West Valley Demonstration Project to use only two sets of samples for their chronic testing due to the batch nature of their discharge.

Test Conditions

Permittee's Receiving Water: Erdman Brook

- Dilution water: Receiving water collected at a point immediately upstream of or away from the discharge
- Control water: Laboratory synthetic moderately hard water (hardness 80 - 100 mg/L CaCO3)

Effluent concentrations tested: 0%, 6.25%, 12.5%, 25%, 50%, 100%

Was effluent salinity adjusted? No ☑ Yes ☐ with Instant Ocean sea salts to NA ppt

Dechlorination procedures: Chlorine is measured using 4500 CL-G DPD Colorimetric Method

- Dechlorination is not allowed under this permit

TRC results and further information about aeration of samples can be found attached in "sample receipt chemistry"

Reference Toxicant Data

Ceriodaphnia dubia

Date:	11/3/25
Toxicant:	Sodium chloride
Dilution Water:	NEB CTRMH
Organism Source:	NEB
Reproduction IC25:	0.76 g/L
Results within range	Yes ☑ No ☐

Ceriodaphnia dubia Test Results

Permittee name: West Valley Demonstration Project Permit number: NY0000973

Client sample ID: Outfall 001 Test Dates: 11/14/25 - 11/22/25

Test Acceptability Criteria

Lab Control Survival:	100 %	Mean Lab Control Reproduction:	26.2 young per female
Diluent Control Survival:	100 %	Mean Diluent Control Reproduction:	30.6 young per female
Thiosulfate Control Survival:	NA %	Mean Thiosulfate Control Reproduction:	NA young per female

Presence of an asterisk (*) indicates EPA criteria was not met, see explanation in the "Results Discussion" section at the bottom of the following page.

Test Results

		Permit Limit	Test Result	Pass/Fail Status
Acute Data	48 hr LC50		>100%	
	48 hr NOEC		100%	
	TUa	≤ 0.3	0.3	Pass
Chronic Data	Chronic LC50		>100%	
	Survival C-NOEC		100%	
	Survival C-LOEC		>100%	
	Survival IC25		>100%	
	Survival TUc[1]	≤ 1.0	1.0	Pass
	Reproduction C-NOEC		100%	
	Reproduction C-LOEC		>100%	
	Reproduction IC25		>100%	
	Reproduction TUc[1]	≤ 1.0	1.0	Pass
	MATC		>100%	
	Reportable TUc	≤ 1.0	1.0	Pass

[1] TUc corresponding to the lowest NOEC or IC25

Test Variability

Reproduction PMSD: 29.0% Upper & Lower EPA bounds: 13 - 47% ☐ Low ☑ Within bounds ☐ High

☐ PMSD exceeds upper bounds. Test results are highly variable and may not be sensitive enough to determine the presence of toxicity at the permit limit concentration (PLC)

☑ The PMSD falls within the upper (47%) and lower (13%) bounds. Results are reportable.

☐ PMSD falls below the lower bound test variability criterion. The test is very sensitive. The relative percent difference (RPD) between the control and each treatment was calculated and compared to the lower bound.

- ☐ The RPD values for all concentrations fall below the lower bound. Any differences observed in this test are considered statistically insignificant.
- ☐ Some of the concentrations that were flagged as statistically significant have RPD values that fall below the lower bound. Any differences observed in these concentrations will not be considered statistically significantly decreased from the control.
- ☐ No statistically significant reductions were observed in this test.

Ceriodaphnia dubia Test Results

Permittee name: West Valley Demonstration Project Permit number: NY0000973

Client sample ID: Outfall 001 Test Dates: 11/14/25 - 11/22/25

Concentration - Response Evaluation

Survival: #11 No concentration-response curve: no mortality observed at any concentration.

Reproduction: #12 No significant effects at any test concentration with a relatively flat concentration-response curve. Test concentrations performed both above and below (but similarly to) the dilution control.

The concentration - response relationship was reviewed and the following determination was made:

Survival	Reproduction	
X	X	Results are reliable and reportable
		Results are anomalous (see explanation below)
		Results are inconclusive - retest (see explanation below)

Results Discussion (if applicable):

TEST METHODS

Ceriodaphnia dubia

Test type:	Modified Chronic Static Renewal Freshwater Test
Test Reference Manual:	EPA-821-R-02-013 "Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Water to Freshwater Organisms"
Test Method:	*Ceriodaphnia dubia* Survival and Reproduction Test - EPA 1002.0
Temperature:	25 ˚C ± 1˚C (Temperatures should not deviate by more than 3˚C during the test) (required)
Light Quality:	Ambient Laboratory Illumination (recommended)
Light Intensity:	10-20 µE/m2/s, or 50-100 ft-c (recommended)
Photoperiod:	16 hours light, 8 hours dark (recommended)
Test chamber size:	30 mL (recommended minimum)
Test solution volume:	15 mL (recommended minimum)
Renewal of Test Solutions:	Daily (required)
Age of Test Organisms:	Less than 24 hours; and all released within a 8-h period (required)
Number of Neonates Per Test Chamber:	1 Assigned using blocking by known parentage (required)
Number of Replicate Test Chambers Per Treatment:	10 (required minimum)
Number of Neonates Per Test Concentration:	10 (required minimum)
Feeding Regime:	Fed 0.1 mL each of YCT and algal suspension per exposure chamber daily. (recommended)
Cleaning:	Use new plastic cups daily (recommended)
Aeration:	None (recommended)
Test Duration:	Until 60% or more of control females have three broods (maximum test duration 8 days) (required)
Endpoints:	Survival and reproduction (required)
Test Acceptability:	80% or greater survival of all control organisms and an average of 15 or more young per surviving female in the control solutions. 60% of surviving control females must produce three broods. (required)
Sampling Requirements:	See note on General Test Conditions page of report
Sample volume required:	1 L/Day (recommended)

CERIODAPHNIA DUBIA
DATASHEETS & STATISTICAL ANALYSIS

NEW ENGLAND BIOASSAY TOXICITY DATA FORM
CHRONIC COVER SHEET

CLIENT:	Eurofins	*C.dubia* TEST ID #	25-2403
ADDRESS:	10 Hazelwood Drive	CHAIN OF CUSTODY #	C45-6014/15
	Amherst, NY 14228	NEB PROJECT #	44240
PERMITTEE:	West Valley Demonstration Project	SAMPLE ID:	Outfall 001
PERMIT NUMBER:	NY0000973		
DILUTION WATER:	Erdman Brook		

INVERTEBRATES

TEST SET-UP TECHNICIAN:	KO
TEST SPECIES:	*Ceriodaphnia dubia*
NEB LOT #	Cd25(RMH 344)
AGE:	< 24 hours
TEST SOLUTION VOLUME (mls):	15
ORGANISMS PER TEST CHAMBER:	1
ORGANISMS PER CONCENTRATION:	10

LABORATORY CONTROL WATER (MHRCF)

Lot Number	Hardness mg/L $CaCO_3$	Alkalinity mg/L $CaCO_3$
C45-MH037	90	62

	DATE	TIME
TEST START:	11/14/25	1320
TEST END:	11/22/25	1407

COMMENTS:

FILTRATION: The following were filtered prior to use through a 55 µm mesh filter due to the presence of organisms:

Sample:			
Date/Tech:			

REVIEWED BY: Kimberly Wills DATE: 12/4/25

NEW ENGLAND BIOASSAY - CHRONIC TOXICITY TEST BROOD DATA SHEET

FACILITY NAME & ADDRESS:	West Valley Demonstration Project WSNP001, 10282 Rock Springs Rd West Valley NY				
NEB PROJECT NUMBER:	44240	NEB TEST NUMBER:	25-2403	COC #	C45-6014/15
TEST ORGANISM:	*Ceriodaphnia dubia*	AGE:	<24 hours	Lot #	Cd25(RMH 344)
START DATE:	11/14/25	TIME:	1320	END DATE:	11/22/25	TIME:	1407

Effluent Concentration	Cup #	A4	A5	A9	A10	A12	A16	A18	B9	B10	B12	Total Live Young	# Live Adults	Analyst-Transfer	Analyst-Counts
		Culture Lot#				Cd25(RMH 344)									
	Day Number	Replicate													
		A	B	C	D	E	F	G	H	I	J				
NEB Lab Control	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	KO	
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	CG	
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	AV/DB	
	3	✓	2	2	✓	3	5	✓	✓	✓	✓	12	10	TS	TS
	4	✓	✓	✓	✓	✓	✓	✓	3	6	4	13	10	WB/ME	WB/ME
	5	4	2	✓	6	5	4	5	✓	✓	✓	26	10	AW/PD	AW/PD
	6	6	13	15	9	15	12	5	1	8	7	91	10	ME	ME
	7	✓	✓	20	✓	✓	✓	✓	6	17	✓	43	10	AV/DB	AV/DB
	8	10	8	✓	14	~~18~~	6	15	12	~~15~~	12	77	10	TS	TS
	totals	20	25	37	29	23	27	25	22	31	23	262	10		MC
Erdman Brook Diluent		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	✓	✓	2	5	6	4	✓	✓	✓	17	10		
	4	2	✓	5	✓	✓	7	✓	5	4	5	28	10		
	5	8	4	✓	4	8	✓	6	8	✓	7	45	10		
	6	✓	10	15	17	23	16	19	✓	13	16	129	10		
	7	13	1	22	1	✓	~~19~~	1	18	21	✓	77	10		
	8	~~11~~	10	✓	~~12~~	~~17~~	✓	~~22~~	~~19~~	✓	~~16~~	10	10		
	totals	23	25	42	24	36	29	30	31	38	28	306	10		
6.25%		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	✓	✓	4	6	3	✓	✓	1	✓	14	10		
	4	6	✓	5	✓	13	9	7	5	4	6	55	10		
	5	✓	3	14	11	✓	✓	10	✓	✓	13	51	10		
	6	13	9	✓	16	16	16	2	✓	9	16	97	10		
	7	20	✓	14	~~9~~	~~21~~	~~22~~	13	10	16	✓	73	10		
	8	✓	11	~~24~~	~~9~~	~~24~~	✓	~~19~~	13	✓	~~5~~	24	10		
	totals	39	23	33	31	35	28	32	28	30	35	314	10		

Notes: Replicates in which the neonates are marked with a strike are judged to contain 4th broods (rather than split-broods), and the 4th brood is not included in the reproduction totals per EPA-821-R-02-013.

NEW ENGLAND BIOASSAY - CHRONIC TOXICITY TEST BROOD DATA SHEET

FACILITY NAME & ADDRESS:	West Valley Demonstration Project WSNP001, 10282 Rock Springs Rd West Valley NY		
NEB PROJECT NUMBER: 44240	ORGANISM: *Ceriodaphnia dubia*	START DATE: 11/14/25	

Effluent Concentration	Day Number	Replicate A	B	C	D	E	F	G	H	I	J	Total Live Young	# Live Adults		
12.5%	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	✓	✓	5	4	6	✓	✓	4	✓	19	10		
	4	4	6	9	✓	✓	✓	6	1	3	5	34	10		
	5	11	14	9	8	10	✓	12	✓	✓	10	74	10		
	6	✓	✓	✓	19	14	18	1	✓	17	11	80	10		
	7	19	19	14	✓	~~15~~	19	8	✓	20	✓	99	10		
	8	~~18~~	~~23~~	~~22~~	~~13~~	✓	✓	15	✓	✓	~~4~~	15	10		
	totals	34	39	32	32	28	43	42	1	44	26	321	10		
25%		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	5	5	6	5	6	✓	✓	✓	✓	27	10		
	4	9	✓	✓	✓	✓	✓	3	✓	6	4	22	10		
	5	✓	1	10	8	9	✓	✓	✓	4	11	43	10		
	6	9	1	17	22	20	15	10	✓	✓	16	110	10		
	7	22	✓	~~21~~	~~1~~	~~16~~	20	13	7	16	✓	78	10		
	8	3	7	✓	~~10~~	✓	✓	~~17~~	13	~~26~~	~~3~~	23	10		
	totals	43	14	32	36	34	41	26	20	26	31	303	10		
50%		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	✓	✓	✓	2	3	✓	✓	2	✓	7	10		
	4	2	✓	4	5	6	3	7	6	✓	4	37	10		
	5	12	1	11	8	✓	✓	✓	13	2	12	59	10		
	6	✓	11	✓	15	17	19	13	✓	11	20	106	10		
	7	14	✓	19	✓	~~12~~	✓	13	14	1	✓	61	10		
	8	~~17~~	6	~~17~~	~~21~~	✓	~~14~~	✓	~~19~~	10	~~6~~	16	10		
	totals	28	18	34	28	25	25	33	33	26	36	286	10		
100%		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	4	✓	3	✓	3	✓	✓	✓	✓	10	10		
	4	5	✓	✓	✓	✓	✓	3	4	✓	4	16	10		
	5	✓	11	✓	6	5	✓	4	7	6	10	49	10		
	6	7	12	✓	19	12	17	9	✓	6	18	100	10		
	7	✓	~~13~~	✓	✓	✓	16	✓	17	12	✓	45	10		
	8	✓	✓	✓	~~21~~	1	✓	17	~~23~~	✓	~~3~~	18	10		
	totals	12	27	0	28	18	36	33	28	24	32	238	10		

CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	07-9873-1352	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X)	Linear	1915407	200	Yes	Two-Point Interpolation

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
LC50	>100	---	---	<1	---	---

2d Survival Rate Summary

			Calculated Variate(A/B)							Isotonic Variate	
Conc-%	Code	Count	Mean	Median	Min	Max	CV%	%Effect	ΣA/ΣB	Mean	%Effect
0	D	10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%

2d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

2d Survival Rate Binomials

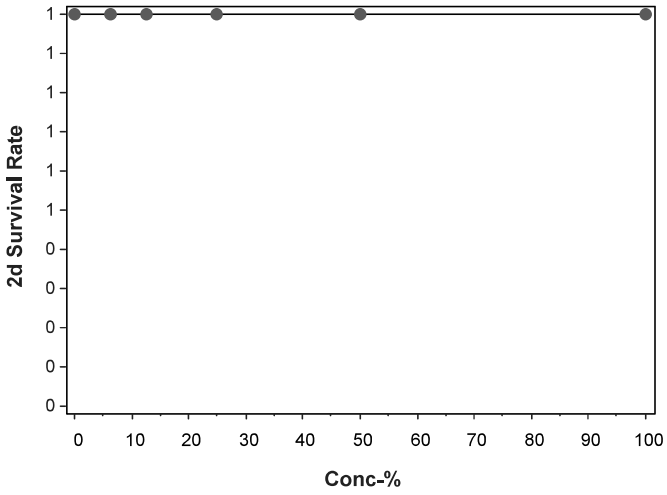
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	07-9873-1352	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

Graphics



CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	10-4368-0215	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	Tox Units
Untransformed	C > T	100	>100	---	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Conc-%	Test Stat	P-Type	P-Value	Decision(α:5%)
Dilution Water		6.25	1.0000	Exact	1.0000	Non-Significant Effect
		12.5	1.0000	Exact	1.0000	Non-Significant Effect
		25	1.0000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

2d Survival Rate Frequencies

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	D	10	0	10	1.0000	0.0000	0.00%
6.25		10	0	10	1.0000	0.0000	0.00%
12.5		10	0	10	1.0000	0.0000	0.00%
25		10	0	10	1.0000	0.0000	0.00%
50		10	0	10	1.0000	0.0000	0.00%
100		10	0	10	1.0000	0.0000	0.00%

2d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	D	10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%

2d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

CETIS Analytical Report

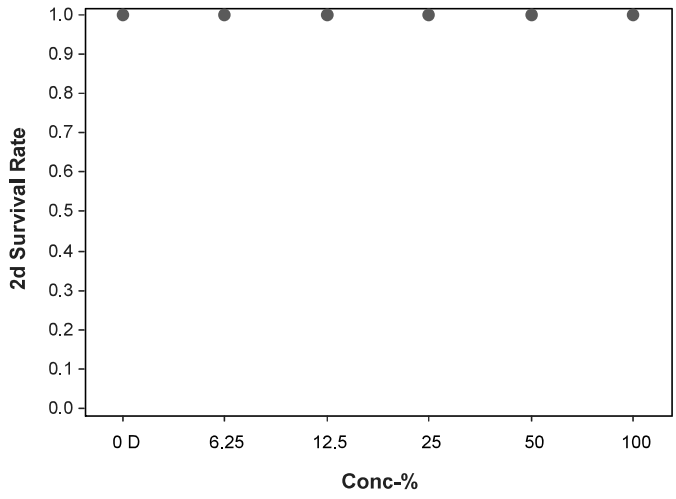
Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	10-4368-0215	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

2d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

Graphics



CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	04-6366-5429	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X)	Linear	2127713	200	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	1	0.8	<<	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
LC50	>100	---	---	<1	---	---

7d Survival Rate Summary

			Calculated Variate(A/B)							Isotonic Variate	
Conc-%	**Code**	**Count**	**Mean**	**Median**	**Min**	**Max**	**CV%**	**%Effect**	**ΣA/ΣB**	**Mean**	**%Effect**
0	D	10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

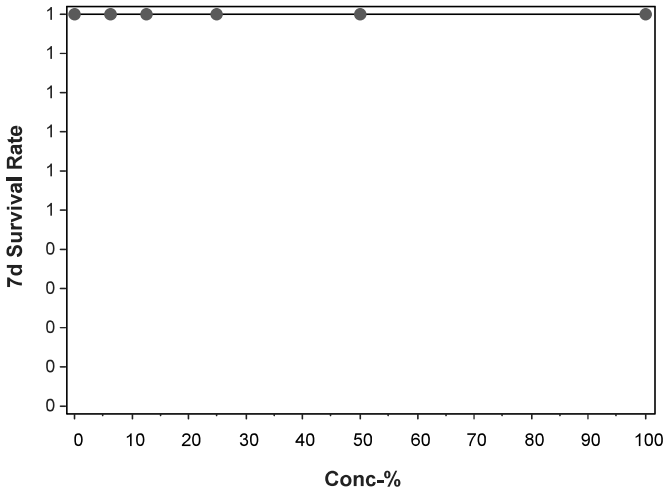
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	04-6366-5429	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

Graphics



CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	05-9474-6403	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	Tox Units
Untransformed	C > T	100	>100	---	1

Fisher Exact/Bonferroni-Holm Test

Control	vs	Conc-%	Test Stat	P-Type	P-Value	Decision(α:5%)
Dilution Water		6.25	1.0000	Exact	1.0000	Non-Significant Effect
		12.5	1.0000	Exact	1.0000	Non-Significant Effect
		25	1.0000	Exact	1.0000	Non-Significant Effect
		50	1.0000	Exact	1.0000	Non-Significant Effect
		100	1.0000	Exact	1.0000	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	Test Stat	Lower	Upper	Overlap	Decision
Control Resp	1	0.8	<<	Yes	Passes Criteria

7d Survival Rate Frequencies

Conc-%	Code	NR	R	NR + R	Prop NR	Prop R	%Effect
0	D	10	0	10	1.0000	0.0000	0.00%
6.25		10	0	10	1.0000	0.0000	0.00%
12.5		10	0	10	1.0000	0.0000	0.00%
25		10	0	10	1.0000	0.0000	0.00%
50		10	0	10	1.0000	0.0000	0.00%
100		10	0	10	1.0000	0.0000	0.00%

7d Survival Rate Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	D	10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

CETIS Analytical Report

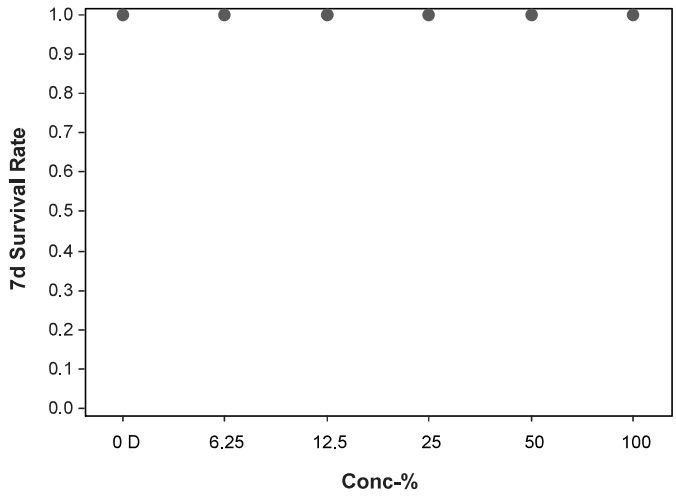
Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	05-9474-6403	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

7d Survival Rate Binomials

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

Graphics



CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	05-2951-7790	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1009898	200	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	1	0.8	<<	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
LC25	>100	---	---	<1	---	---

7d Survival Rate Summary

			Calculated Variate(A/B)							Isotonic Variate	
Conc-%	**Code**	**Count**	**Mean**	**Median**	**Min**	**Max**	**CV%**	**%Effect**	**ΣA/ΣB**	**Mean**	**%Effect**
0	D	10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
6.25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
12.5		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
25		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
50		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
100		10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%

7d Survival Rate Detail

Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6.25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12.5		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
50		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
100		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

7d Survival Rate Binomials

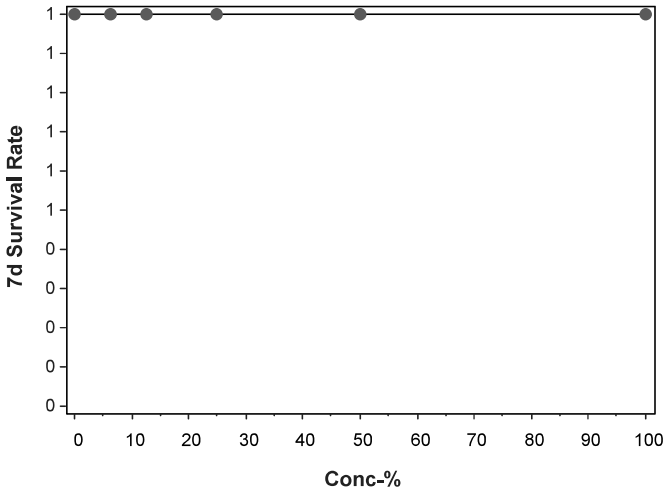
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	05-2951-7790	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:14	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

Graphics



CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	18-6971-4603	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:15	**Analysis:**	Nonparametric-Control vs Treatments	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	6663FAE871B9F09C1FC4472707E84C8B	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	Tox Units	MSDu	PMSD
Untransformed	C > T	100	>100	---	1	8.875	29.00%

Steel Many-One Rank Sum Test

Control	vs	Conc-%	df	Test Stat	Critical	Ties	P-Type	P-Value	Decision(α:5%)
Dilution Water		6.25	18	111.5	75	4	CDF	0.9403	Non-Significant Effect
		12.5	18	121	75	2	CDF	0.9924	Non-Significant Effect
		25	18	108	75	2	CDF	0.8923	Non-Significant Effect
		50	18	98.5	75	3	CDF	0.6489	Non-Significant Effect
		100	18	88	75	3	CDF	0.2908	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	30.6	15	<<	Yes	Passes Criteria
PMSD	0.29	0.13	0.47	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	455.133	91.0267	5	1.211	0.3164	Non-Significant Effect
Error	4057.8	75.1444	54			
Total	4512.93		59			

ANOVA Assumptions Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variance	Bartlett Equality of Variance Test	13.55	15.09	0.0187	Equal Variances
Distribution	Shapiro-Wilk W Normality Test	0.9233	0.9459	0.0010	Non-Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	D	10	30.6	26.1	35.1	29.5	23	42	1.99	20.56%	0.00%
6.25		10	31.4	28.18	34.62	31.5	23	39	1.424	14.34%	-2.61%
12.5		10	32.1	23.08	41.12	32.67	1	44	3.987	39.28%	-4.90%
25		10	30.3	23.84	36.76	31.5	14	43	2.856	29.81%	0.98%
50		10	28.6	24.69	32.51	28	18	36	1.727	19.09%	6.54%
100		10	23.8	15.94	31.66	27.67	0	36	3.473	46.15%	22.22%

Reproduction Detail

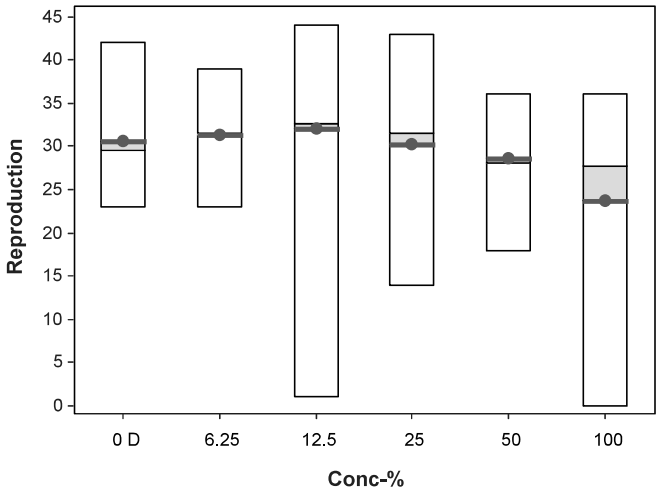
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	23	25	42	24	36	29	30	31	38	28
6.25		39	23	33	31	35	28	32	28	30	35
12.5		34	39	32	32	28	43	42	1	44	26
25		43	14	32	36	34	41	26	20	26	31
50		28	18	34	28	25	25	33	33	26	36
100		12	27	0	28	18	36	33	28	24	32

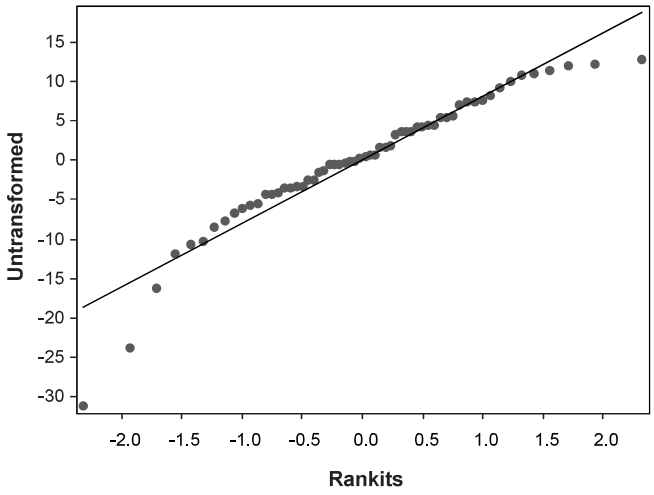
CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	18-6971-4603	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:15	**Analysis:**	Nonparametric-Control vs Treatments	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	6663FAE871B9F09C1FC4472707E84C8B	**Editor ID:**	000-173-188-0

Graphics





CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test — **New England Bioassay**

Analysis ID:	03-3158-5627	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:17	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	6663FAE871B9F09C1FC4472707E84C8B	**Editor ID:**	000-173-188-0
Batch ID:	21-1540-7654	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	14 Nov-25 13:20	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	22 Nov-25 14:07	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	8d 1h	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	04-6823-0982	**Code:**	1BE8A346	**Project:**	
Sample Date:	13 Nov-25 12:30	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	14 Nov-25 08:11	**CAS (PC):**		**Station:**	
Sample Age:	25h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1466264	200	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	30.6	15	<<	Yes	Passes Criteria

Point Estimates

Level	%	95% LCL	95% UCL	Tox Units	95% LCL	95% UCL
IC25	>100	---	---	<1	---	---
IC50	>100	---	---	<1	---	---

Reproduction Summary

			Calculated Variate						Isotonic Variate	
Conc-%	**Code**	**Count**	**Mean**	**Median**	**Min**	**Max**	**CV%**	**%Effect**	**Mean**	**%Effect**
0	D	10	30.6	29.5	23	42	20.56%	0.00%	31.37	0.00%
6.25		10	31.4	31.5	23	39	14.34%	-2.61%	31.37	0.00%
12.5		10	32.1	32.67	1	44	39.28%	-4.90%	31.37	0.00%
25		10	30.3	31.5	14	43	29.81%	0.98%	30.3	3.41%
50		10	28.6	28	18	36	19.09%	6.54%	28.6	8.83%
100		10	23.8	27.67	0	36	46.15%	22.22%	23.8	24.13%

Reproduction Detail

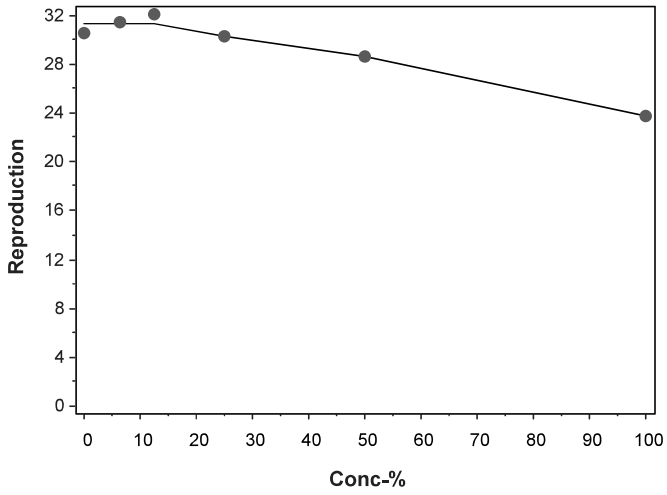
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	23	25	42	24	36	29	30	31	38	28
6.25		39	23	33	31	35	28	32	28	30	35
12.5		34	39	32	32	28	43	42	1	44	26
25		43	14	32	36	34	41	26	20	26	31
50		28	18	34	28	25	25	33	33	26	36
100		12	27	0	28	18	36	33	28	24	32

CETIS Analytical Report

Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	03-3158-5627	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	24 Nov-25 11:17	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	24 Nov-25 11:13	**MD5 Hash:**	6663FAE871B9F09C1FC4472707E84C8B	**Editor ID:**	000-173-188-0

Graphics



NEB'S DATA SHEET FOR ROUTINE CHEMICAL AND PHYSICAL DETERMINATIONS

FACILITY NAME & ADDRESS:	West Valley Demonstration Project WSNP001, 10282 Rock Springs Rd West Valley NY							
NEB PROJECT NUMBER:	44240			TEST ORGANISM			*Ceriodaphnia dubia*	
DILUTION WATER SOURCE:	Erdman Brook			START DATE:			11/14/25 TIME:	1320
NEB Lab Control	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.1	24.7	24.7	25.3	25.4	25.1	24.9	24.8
D.O. mg/L Initial	8.2	8.3	8.1	8.1	8.4	8.4	8.3	8.3
pH s.u. Initial	7.8	7.7	8.1	7.4	7.6	8.2	8.0	7.8
Conductivity µS Initial	317	319	320	319	323	319	324	326
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	24.9	25.4	25.0	24.3	25.2	24.6	24.6	25.4
D.O. mg/L Final	8.1	7.3	8.3	7.9	7.9	8.1	8.1	7.9
pH s.u. Final	7.9	7.4	7.8	7.6	7.5	7.3	7.9	7.7
Conductivity µS Final	341	335	332	335	344	334	337	336
Erdman Brook Diluent	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.2	24.7	25.0	25.0	25.4	24.8	24.9	25.0
D.O. mg/L Initial	8.4	9.0	9.0	9.0	9.2	9.5	9.3	8.3
pH s.u. Initial	7.6	7.5	7.7	7.3	7.5	7.9	7.7	7.7
Conductivity µS Initial	482	492	494	487	399	400	401	400
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	25.0	25.4	25.2	24.4	25.1	24.6	24.6	25.5
D.O. mg/L Final	8.0	7.4	8.2	8.0	8.0	8.1	8.1	7.8
pH s.u. Final	8.0	7.4	7.9	7.6	7.6	7.5	7.9	7.7
Conductivity µS Final	502	501	497	497	416	411	413	407
6.25%	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.3	24.7	25.1	25.0	25.4	24.7	24.9	24.8
D.O. mg/L Initial	9.3	8.9	9.0	9.0	9.2	9.6	9.2	8.7
pH s.u. Initial	7.5	7.6	7.7	7.4	7.5	7.8	7.7	7.7
Conductivity µS Initial	557	560	544	560	468	471	454	470
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	24.9	25.5	25.2	24.4	25.0	24.5	24.4	25.5
D.O. mg/L Final	8.0	7.7	8.2	8.1	8.0	8.1	8.1	7.7
pH s.u. Final	8.0	7.6	8.0	7.8	7.6	7.5	8.0	7.8
Conductivity µS Final	581	562	565	570	483	482	465	479

NEB'S DATA SHEET FOR ROUTINE CHEMICAL AND PHYSICAL DETERMINATIONS

FACILITY NAME & ADDRESS:	West Valley Demonstration Project WSNP001, 10282 Rock Springs Rd West Valley NY							
NEB PROJECT NUMBER:	44240			TEST ORGANISM			*Ceriodaphnia dubia*	
DILUTION WATER SOURCE:	Erdman Brook			START DATE:			11/14/25 TIME:	1320
12.5%	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.3	24.8	25.1	24.9	25.4	24.4	24.6	24.9
D.O. mg/L Initial	9.3	8.9	8.9	9.0	9.2	9.7	9.1	8.8
pH s.u. Initial	7.5	7.6	7.7	7.4	7.5	7.8	7.8	7.8
Conductivity µS Initial	623	624	620	623	550	534	530	534
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	24.9	25.6	25.0	24.3	24.9	24.5	24.4	25.4
D.O. mg/L Final	7.9	7.7	8.2	8.1	8.0	8.1	8.1	7.7
pH s.u. Final	8.0	7.7	8.0	7.8	7.7	7.6	8.0	7.8
Conductivity µS Final	644	634	627	633	567	538	538	538
25%	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.2	24.8	25.0	24.8	25.4	24.4	24.8	24.8
D.O. mg/L Initial	9.3	8.9	8.9	9.0	9.1	9.6	9.2	8.7
pH s.u. Initial	7.6	7.6	7.7	7.5	7.6	7.8	7.8	7.8
Conductivity µS Initial	740	736	740	745	683	659	651	656
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	24.9	25.6	25.1	24.3	25.0	24.5	24.3	25.4
D.O. mg/L Final	8.0	7.7	8.2	8.1	8.0	8.1	8.1	7.8
pH s.u. Final	8.1	7.8	8.1	7.9	7.8	7.7	8.1	7.9
Conductivity µS Final	761	747	746	760	700	671	667	660
50%	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.1	24.8	24.9	24.8	25.4	24.7	25.0	24.9
D.O. mg/L Initial	9.2	8.9	8.9	9.0	9.1	9.6	9.0	8.8
pH s.u. Initial	7.6	7.7	7.8	7.6	7.7	7.8	7.9	7.9
Conductivity µS Initial	996	1,002	1,006	990	939	935	930	931
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	25.0	25.5	25.0	24.4	25.0	24.4	24.5	25.4
D.O. mg/L Final	8.0	7.8	8.2	8.2	8.1	8.2	8.1	7.8
pH s.u. Final	8.2	7.9	8.2	8.0	7.9	7.9	8.2	8.0
Conductivity µS Final	1,053	1,026	1,026	1,003	964	950	968	942

NEB'S DATA SHEET FOR ROUTINE CHEMICAL AND PHYSICAL DETERMINATIONS

FACILITY NAME & ADDRESS:	West Valley Demonstration Project WSNP001, 10282 Rock Springs Rd West Valley NY							
NEB PROJECT NUMBER:	44240			TEST ORGANISM			*Ceriodaphnia dubia*	
DILUTION WATER SOURCE:	Erdman Brook			START DATE:			11/14/25 TIME:	1320
100%	1	2	3	4	5	6	7	8
Tech Initials Initial	VV	MV/DB	MV/DB	ME	AW	MV/PD	TS	AV
Temp °C Initial	25.1	24.9	NR	24.6	25.6	24.8	25.0	25
D.O. mg/L Initial	9.2	8.9	NR	9.1	9.1	9.5	9.2	8.8
pH s.u. Initial	7.8	7.8	NR	7.7	7.8	7.9	7.9	8
Conductivity µS Initial	1,503	1,514	NR	1,503	1,485	1,484	1,483	1486
Tech Initials Final	DB	VV	PD	ME	ME	VV	DB	AW
Temp °C Final	25.0	25.6	25.2	24.4	25.0	24.4	24.5	25.6
D.O. mg/L Final	8.0	7.7	8.3	8.2	8.1	8.2	8.2	7.8
pH s.u. Final	8.4	8.1	8.3	8.2	8.2	8.0	8.4	8.2
Conductivity µS Final	1,534	1,533	1,539	1,548	1,509	1,512	1,512	1487
	1	2	3	4	5	6	7	Remarks
Tech Initials Initial								NR: not recorded
Temp °C Initial								
D.O. mg/L Initial								
pH s.u. Initial								
Conductivity µS Initial								
Tech Initials Final								
Temp °C Final								
D.O. mg/L Final								
pH s.u. Final								
Conductivity µS Final								

Table of Random Permutations of 16 **C.dubia Test ID#** 25-2403

7	12	15	15	1	2	7	16	10	2	14	15	7	13	13	10	6	1	8	10
13	3	8	16	7	10	11	10	13	5	11	7	13	16	7	7	5	13	2	14
3	1	4	5	14	13	3	14	9	13	13	2	9	15	6	2	8	4	5	8
11	8	16	14	15	6	2	6	2	16	8	5	12	3	9	13	4	3	10	4
14	9	1	6	3	9	14	13	8	6	5	8	14	7	3	15	13	11	4	7
2	16	10	13	5	5	13	2	11	7	3	12	5	14	12	16	2	2	9	15
4	6	13	7	2	15	1	9	1	4	7	10	6	9	11	9	7	6	16	11
6	14	6	10	4	14	4	15	3	3	4	16	2	6	5	1	12	10	6	9
10	15	2	1	13	12	16	3	4	8	10	1	15	5	14	12	14	12	3	2
12	10	7	12	9	11	9	8	12	14	15	4	11	8	16	8	9	14	14	1
15	7	5	2	10	7	8	12	6	15	6	13	16	12	15	4	11	8	12	6
16	2	11	8	8	8	15	5	16	1	1	9	8	1	8	14	16	5	13	5
9	13	14	3	6	4	10	11	5	12	9	3	10	4	4	3	10	9	1	3
8	11	9	4	11	3	12	7	7	10	12	14	3	10	1	6	15	16	15	12
1	5	12	11	16	16	5	4	14	9	16	11	1	2	10	5	1	15	7	13
5	4	3	9	12	1	6	1	15	11	2	6	4	11	2	11	3	7	11	16
11	8	16	5	5	13	1	13	2	16	14	12	9	8	7	5	13	3	13	3
2	2	8	8	14	16	4	3	8	11	10	14	15	1	2	11	4	5	15	9
6	13	2	13	6	5	9	15	11	10	12	6	16	15	16	9	10	12	16	15
14	12	4	16	16	11	14	10	5	12	3	3	12	14	15	13	6	4	1	16
8	6	3	9	4	10	6	4	16	2	2	9	8	16	4	6	5	15	7	8
9	15	12	10	3	2	12	6	1	15	4	13	7	7	9	12	14	8	8	11
3	10	11	12	13	12	5	11	7	8	9	5	14	11	10	1	3	13	3	5
16	1	13	14	8	14	15	5	3	7	11	15	6	12	5	7	11	1	14	4
1	14	14	2	9	15	16	14	6	14	7	8	3	13	11	8	7	7	12	7
4	4	6	4	12	3	11	8	15	9	8	1	13	6	3	3	15	9	9	12
15	5	1	11	10	6	3	7	10	5	5	11	10	10	12	15	16	14	5	2
5	3	5	6	7	7	13	2	14	3	16	4	5	5	13	4	9	16	2	6
12	7	15	15	15	9	8	12	12	13	15	10	1	4	6	16	2	6	11	1
10	11	10	3	2	4	2	1	4	6	6	7	11	9	14	10	8	11	4	13
7	9	7	7	11	1	7	16	13	1	13	2	4	2	1	2	12	2	10	14
13	16	9	1	1	8	10	9	9	4	1	16	2	3	8	14	1	10	6	10
													conc			rep			
1	6	7	4	8	6	5	2	8	15	4	6	6	1	4	5	7	13	2	10
9	15	11	3	11	15	9	10	1	3	8	2	15	7	9	8	16	1	14	3
10	16	4	5	12	9	16	11	7	1	7	16	11	8	3	3	12	2	3	4
4	14	1	9	5	5	4	13	6	8	15	5	12	5	7	16	5	11	8	1
7	3	13	14	15	2	1	14	16	5	14	9	2	16	1	12	6	14	4	13
16	11	2	1	14	16	6	9	3	4	16	14	3	15	11	11	3	9	12	5
3	10	16	16	13	7	13	1	11	14	9	10	16	2	10	2	10	7	10	16
11	13	9	13	4	13	8	3	5	13	10	12	5	12	5	14	13	16	5	6
15	2	3	12	9	12	2	4	13	10	3	13	14	4	2	1	14	8	6	12
14	1	14	6	10	1	3	12	4	2	2	4	13	3	16	9	9	3	7	14
13	12	5	11	3	11	15	8	2	7	11	7	8	14	6	4	4	4	15	11
12	5	10	7	2	14	7	15	14	16	13	1	9	10	12	10	11	10	9	8
8	9	8	10	6	4	11	7	10	11	6	8	4	9	8	15	8	6	11	9
2	7	6	2	1	8	10	6	15	12	1	11	7	11	13	6	1	15	13	15
6	4	15	8	16	10	14	16	9	6	12	3	10	6	14	7	2	12	16	7
5	8	12	15	7	3	12	5	12	9	5	15	1	13	15	13	15	5	1	2
13	4	10	4	16	13	16	13	5	3	6	14	1	16	8	7	2	3	3	12
5	14	4	6	8	2	15	1	13	14	16	4	15	4	3	12	12	1	4	7
2	2	2	15	14	16	9	12	16	6	10	15	14	9	10	1	14	8	8	16
7	12	15	8	12	3	5	14	7	12	5	13	16	1	7	5	11	2	9	3
6	9	7	14	9	14	10	11	15	11	12	1	12	12	14	16	3	11	11	8
14	5	16	7	10	8	11	8	14	13	7	11	6	3	11	4	4	6	6	9
15	11	8	9	7	12	8	7	1	15	9	3	3	7	13	11	10	4	5	1
11	6	6	1	4	1	3	16	12	5	4	9	13	13	6	8	15	9	1	14
4	10	3	16	2	11	7	9	6	9	1	8	4	11	5	2	16	10	12	4
1	8	1	13	1	15	4	4	11	4	2	16	5	8	1	9	5	12	16	6
9	7	14	2	6	4	14	10	9	8	15	10	7	10	9	10	6	14	10	11
12	1	9	10	15	5	2	15	10	2	14	2	8	2	4	13	8	5	15	5
3	3	12	11	5	9	6	6	3	10	13	12	9	6	2	15	7	15	7	13
10	15	11	5	13	7	12	5	2	7	11	5	10	15	12	3	1	13	13	10
8	13	13	3	3	10	13	2	4	1	8	6	11	14	15	6	9	16	2	2
16	16	5	12	11	6	1	3	8	16	3	7	2	5	16	14	13	7	14	15

Ceriodaphnia dubia Culture Chart

Lot # Cd25 (RMH 344) A

Brood mother source: RMH 340 A9 Source's brood size: 28 (Qty.)

Tech	ME	ME	ME	MOR	SAT	CG	CG	AG		ME	ME	AG				
Date	11/4	11/5	11/6	11/7		11/9	11/10	11/11		11/12	11/13	11/14				
Day	0	1	2	3	4	5	6	7		8	9	10	11	12	13	14
Cup #	Beaker		Tray													
1	N	N	N	2		26 (18)	2	Y T1 12	1	Y	n	Y				
2	N	N	N	2		18 (26)	2	Y T2 14	2	Y	n	2				
3	N	N	N	2		TE	—	—	3	—	—					—
4	N	N	N	2		17 (26)	2	Y	4	Y	n	Y T1 12				
5	N	N	N	2		19 (26)	2	Y	5	Y	n	Y T2 13				
6	N	N	N	2		17	2	Y	6	Y	n	Y				
7	N	N	N	2		17	2	Y	7	Y	n	Y				
8	N	N	N	2		18	2	Y T3 9	8	Y	n	Y				
9	N	N	N	2		15	2	Y T4 13	9	Y	n	Y T3 13				
10	N	N	N	2		13	2	Y	10	Y	n	Y T5 12				
11	N	N	N	2		16	2	Y T5 8	11	Y	n	Y				
12	N	N	N	2		16	2	Y T6 9	12	n	n	Y T4 9				
13	N	N	N	2		20	2	Y	13	Y	n	2				
14	N	N	N	2		16	2	Y T7 9	14	Y	n	Y				
15	N	N	N	2		15	2	Y T8 9	15	Y	n	Y				
16	N	N	N	2		16	2	Y T9 9	16	Y	n	Y T5 10				
17	N	N	N	2		17	2	Y	17	Y	n	2				
18	N	N	N	2		18	2	Y T10 18	18	Y	n	Y T7 10				

Y = neonates present, and EPA *criterion has been met* N = no neonates P = Neonates present in P.M. on previous day

2B = two broods present. 2Y = two broods and criterion met: ≥ 20 neos. by 3rd brood. T# = neonates used in test replicate, #=neonates in brood.

Test organism collection:

Project #	Symbol	P	Tray diagram?	Time period, neonates released	Collection date / time
44737	T		Y	11/10/25 | ~~1135~~ → 11/12/25 | 1815	11/14/25 | 0650
44740	T		Y	11/13/25 | 1410 → 11/13/25 | 1940	11/14/25 | 1030
	T				
	T				
	T				

Ceriodaphnia dubia **Culture Chart** Lot # Cd25 (RMH 344) B

Brood mother source: RMH 340 A2 Source's brood size: 29 (Qty.) West Valley 11/14/25

Tech	ME	ME	ME	mor	SAT	CG	CG	MG		ME	ME	MG				
Date	11/4	11/5	11/6	11/7		11/9	11/10	11/11		11/12	11/13	11/14				
Day	0	1	2	3	4	5	6	7		8	9	10	11	12	13	14
Cup #	Beaker		Tray													
1	N	N	N	2		12 2B	2	Y T1 12	1	Y	N	2				
2	N	N	N	2		19	2	Y T2 17	2	Y	N	Y				
3	N	N	N	2		19	2	Y T4 13	3	N	N	2				
4	N	N	N	2		15	2	Y	4	Y	N	2				
5	N	N	N	2		13	2	Y	5	Y	N	Y				
6	N	N	N	2		11	2	Y T3 13	6	Y	N	Y				
7	N	N	N	2		8	2	Y T5 15	7	Y	X					
8	N	N	N	2		16	2	Y T6 11	8	Y	N	Y				
9	N	N	N	2		11	2	Y T9 12	9	Y	N	Y T8 10				
10	N	N	N	2		12	2	Y	10	Y	N	Y T9 17				
11	N	N	N	2		12	2	Y	11	Y	N	2				
12	N	N	N	2		13	2	Y	12	N	N	Y T10 MG 12				
13	N	N	N	2		16	2	Y T10 9	13	Y	N	2				
14	N	N	N	2		11	2	Y T6 9	14	Y	N	Y				
15	N	N	N	2		18	2	Y	15	N	N	Y				
16	N	N	N	2		12	2	Y	16	Y	N	Y				
17	N	N	N	2		10	2	Y	17	Y	N	2				
18	N	N	N	2		11	2	Y T7 12	18	N	Y	1				

Y = neonates present, and EPA *criterion has been met* N = no neonates P = Neonates present in P.M. on previous day

2B = two broods present. 2Y = two broods and criterion met: ≥ 20 neos. by 3rd brood. T# = neonates used in test replicate, #=neonates in brood.

Test organism collection:

Project #	Symbol	P	Tray diagram?	Time period, neonates released	Collection date / time
44734	T		4	11/10/25 | 1360 → 11/10/25 | 1905	11/11/25 | 0830
44740	T		4	11/13/25 | 1410 → 11/13/25 | 1900	11/14/25 | 1030
	T				
	T				
	T				

SAMPLE RECEIPT CHEMISTRY
&
CHAIN OF CUSTODY DOCUMENTS

NEW ENGLAND BIOASSAY - INITIAL CHEMISTRY DATA

PERMITTEE: West Valley Demonstration Project

NEB JOB # 44240

DATE RECEIVED	11/14/25		11/18/25			
SAMPLE TYPE:	EFF #1	BROOK #1	EFF #2	BROOK #2		
COC #	C45-6014	C45-6015	C45-6079	C45-6080		
pH (SU)	7.5	7.2	7.6	7.5		
Temperature (^{o}C)	0.3	0.2	0.5	0.3		
Dissolved Oxygen (mg/L)	11.1	11.3	11.3	12.0		
Conductivity (µmhos)	1,482	480	1,545	423		
Salinity (ppt)	<1	<1	<1	<1		
TRC - DPD (mg/L)	0.023	0.016	0.022	0.035		
TRC - Amperometric (mg/L)						
Hardness (mg/L as $CaCO_3$)	108	128	116	108		
Alkalinity (mg/l as $CaCO_3$)	190	87	189	71		
Tech Initials	DB	DB	ME	ME		

NOTE: NA = NOT APPLICABLE

Data Reviewed By: Kimberly Wills Date Reviewed: 12/4/25

NEW ENGLAND BIOASSAY - CHAIN-OF-CUSTODY

Sample set# 1

EFFLUENT

Sampler: JSZ
Title: Engineer
Facility: West Valley

Sampling Method: X **Composite**
Sample ID: Outfall 001
Start Date: 11-12-25 Time: 1230
End Date: 11-13-25 Time: 1230

Sample Type:
_____ Prechlorinated
_____ Dechlorinated
X Unchlorinated
_____ Chlorinated

RECEIVING WATER

Sampler: JSZ
Title: Engineer
Facility: West Valley

Sampling Method: X Grab
Sample ID: Erdman Brook
Date Collected: 11-13-25
Time Collected: 1200

Received ON ICE

Effluent Sampling Location and Procedures: SP-001 Em-2 Comp. Sample Receiving water for water flea.

Receiving Water Sampling Location and Procedures: WNERB53 EM-2 Grab Sample use for dilution. NEB water for control

Requested Analysis: X Chronic and modified acute

Sample Shipment

Method of Shipment: ~~UPS Next Day Air~~ JZ 11-13-25 Fedex Priority Overnight Early

Relinquished By:		Date: 11-13-25	Time: 1500
Received By:	Demi Bue NEB	Date: 11-14-25	Time: 0811
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

FOR NEB USE ONLY

Temperature of Effluent Upon Receipt at Lab: 0.3 °C
Effluent COC# CUS-6014

Temperature of Receiving Water Upon Receipt at Lab: 0.2 °C
Receiving Water COC# CUS-6015

IF THIS COOLER IS MISPLACED OR THE LABEL IS LOST, PLEASE SHIP TO:
KIM WILLS, NEW ENGLAND BIOASSAY, 77 BATSON DRIVE, MANCHESTER CT 06042

West Valley Cleanup Alliance, LLC (WVCA) 10282 Rock Springs Rd. West Valley, NY 14171

CHAIN-OF-CUSTODY / REQUEST-FOR-ANALYSIS / PACKING SHEET

Sample Type: SPDES

Electronic Disk - YES

External Lab Destination	Purchase Order Number	Charge Number	Release Number	Report Format Level	Priority	OrderID:
Eurofins	WVCA-00185	1003.OA.010102.01	1562	1	10 Days	251105-01 Work Order: SP-WetTesting

Custodian Signature: _____ **C-O-C Reviewed By:** _____

Report Data To: Marty Regan (716)472-2073

Report Data To: Chet Wrotniak (716)982-6403

Location Code	Sample ID	Date	Time	# Cont	Preservative	Tests		Sample Notes
WNSP001	2025-07032	11/13/25	12:30	1	Cool	wet_du_a,	wet_du_c,	Receiving water for water flea. NEB water for control. Initial Sample. WNERB53 will be used for dilution.
WNERB53	2025-07037	11/13/25	12:00	1	None	dil_water,		Receving water for use in dilutions

Signature Rel: Date/Time 11-17-25 1400	Signature Rel: Date/Time
Signature Rec: Date/Time Dan Burke NFB 11-14-25@0811	Signature Rec: Date/Time
Signature Rel: Date/Time	Signature Rel: Date/Time
Signature Rec: Date/Time	Signature Rec: Date/Time
Signature Rel: Date/Time	Sample Receipt at Lab: Cool? YES NO Temp: C
Signature Rec: Date/Time	Signature Rec: Date/Time YES NO

11/13/2025 @ 13:21

NEW ENGLAND BIOASSAY - CHAIN-OF-CUSTODY

Sample set# 2

Received ON ICE

EFFLUENT

Sampler: JD
Title: Engineer
Facility: West Valley

Sampling Method: X **Composite**
Sample ID: Outfall 001
Start Date: 11-16-25 Time: 1030
End Date: 11-17-25 Time: 1030

Sample Type:
- ____ Prechlorinated
- ____ Dechlorinated
- X Unchlorinated
- ____ Chlorinated

RECEIVING WATER

Sampler: JD
Title: 1000
Facility: West Valley

Sampling Method: X Grab
Sample ID: Erdman Brook
Date Collected: 11-17-25
Time Collected: 1000

REFRESH SAMPLES

Effluent Sampling Location and Procedures: WNSP001 EM-2 Composite ~~Grab~~ Sample

Receiving Water Sampling Location and Procedures: WNERB53 EM-2 grab Sample

Requested Analysis: X Chronic and modified acute

Sample Shipment

Method of Shipment: UPS Next Day Early

Relinquished By:		Date: 11-17-25	Time: 1200
Received By:	NEB	Date: 11/18/25	Time: 0900
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

FOR NEB USE ONLY

Temperature of Effluent Upon Receipt at Lab: 0.5 °C
Temperature of Receiving Water Upon Receipt at Lab: 0.3 °C

Effluent COC# CYS-6079
Receiving Water COC# CYS-6080

IF THIS COOLER IS MISPLACED OR THE LABEL IS LOST, PLEASE SHIP TO:
KIM WILLS, NEW ENGLAND BIOASSAY, 77 BATSON DRIVE, MANCHESTER CT 06042

West Valley Cleanup Alliance, LLC (WVCA) 10282 Rock Springs Rd. West Valley, NY 14171

CHAIN-OF-CUSTODY / REQUEST-FOR-ANALYSIS / PACKING SHEET

Sample Type: SPDES

Electronic Disk - YES

External Lab Destination	Purchase Order Number	Charge Number	Release Number	Report Format Level	Priority	OrderID:
Eurofins	WVCA-00185	1003.OA.010102.01	1565	1	10 Days	251105-01 Work Order: SP-WetTesting

Custodian Signature: _____ **C-O-C Reviewed By:** _____

Report Data To: Marty Regan (716)472-2073
Report Data To: Chet Wrotniak (716)982-6403

Location Code	Sample ID	Date	Time	# Cont	Preservative	Tests		Sample Notes
WNSP001	2025-07032A	11/17/25	10:35	1	Cool	wet_du_a,	wet_du_c,	Refresh water. WNERB53 will be used for dilution. NEB water for control
WNERB53	2025-07037A	11/17/25	10:00	1	None	dil_water,		Refresh Water. Receiving water for use in dilutions.

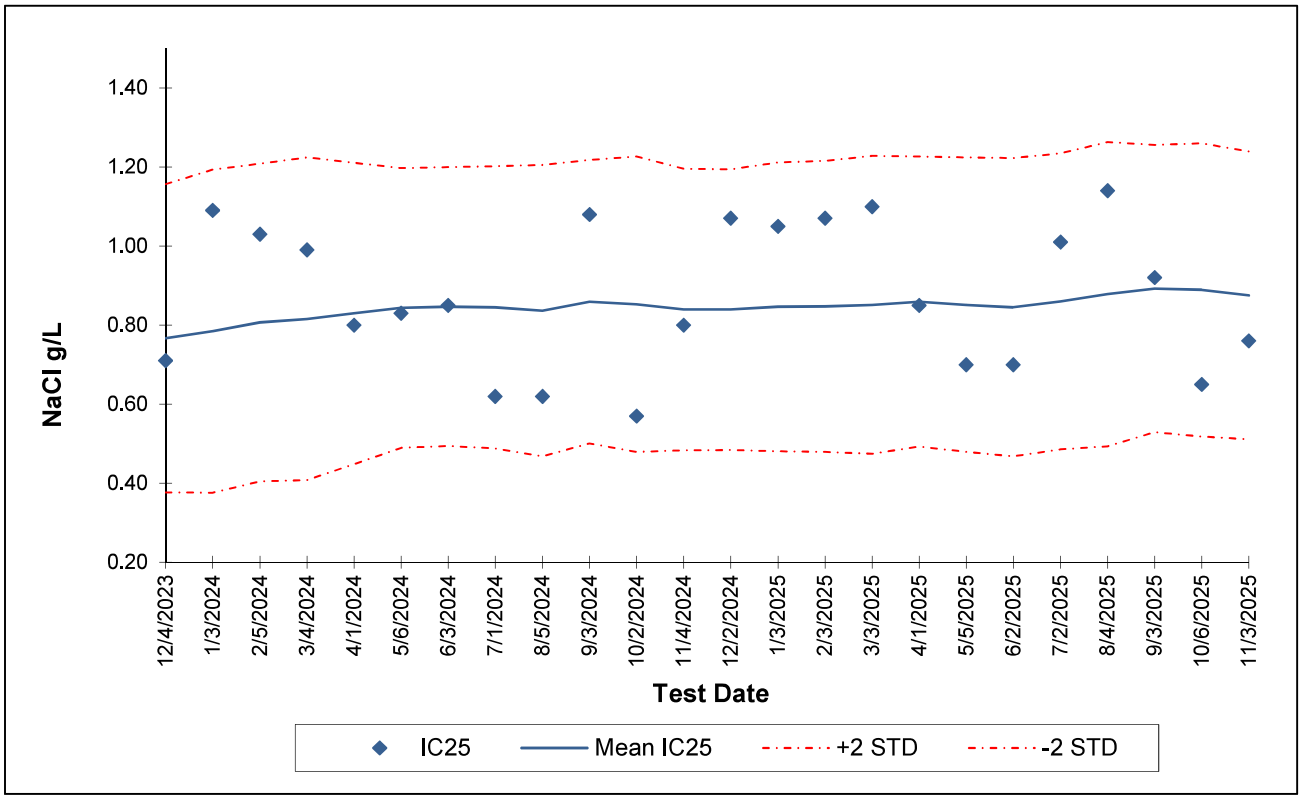
Signature Rel: Date/Time 11-17-25 1200 Signature Rec: Date/Time	Signature Rel: Date/Time Signature Rec: Date/Time
Signature Rel: Date/Time Signature Rec: Date/Time	Signature Rel: Date/Time Signature Rec: Date/Time
Signature Rel: Date/Time Signature Rec: Date/Time	Sample Receipt at Lab: Cool? YES NO Temp: C Signature Rec: Date/Time YES NO

11/17/2025 @ 11:37

REFERENCE TOXICANT CHARTS

New England Bioassay

Reference Toxicant Data: Sodium chloride (NaCl) *Ceriodaphnia dubia* Chronic Reproduction IC_{25}



Test ID	Date	IC_{25}	Mean IC_{25}	STD	-2STD	+2STD	Avg. CV	Repro PMSD (%)	Avg. PMSD (%)
23-2356	12/4/2023	0.71	0.77	0.20	0.38	1.16	0.25	11.47	15.64
24-10	1/3/2024	1.09	0.78	0.20	0.38	1.19	0.26	15.69	15.70
24-192	2/5/2024	1.03	0.81	0.20	0.40	1.21	0.25	16.44	15.46
24-364	3/4/2024	0.99	0.82	0.20	0.41	1.22	0.25	18.00	15.76
24-551	4/1/2024	0.80	0.83	0.19	0.45	1.21	0.23	16.01	15.83
24-789	5/6/2024	0.83	0.84	0.18	0.49	1.20	0.21	9.77	15.31
24-953	6/3/2024	0.85	0.85	0.18	0.49	1.20	0.21	16.23	15.43
24-1184	7/1/2024	0.62	0.85	0.18	0.49	1.20	0.21	13.15	15.07
24-1432	8/5/2024	0.62	0.84	0.18	0.47	1.21	0.22	25.86	15.50
24-1644	9/3/2024	1.08	0.86	0.18	0.50	1.22	0.21	8.30	15.10
24-1933	10/2/2024	0.57	0.85	0.19	0.48	1.23	0.22	18.78	14.93
24-2149	11/4/2024	0.80	0.84	0.18	0.48	1.20	0.21	7.67	14.80
24-2326	12/2/2024	1.07	0.84	0.18	0.48	1.19	0.21	14.94	14.92
25-2	1/3/2025	1.05	0.85	0.18	0.48	1.21	0.22	20.77	15.42
25-210	2/3/2025	1.07	0.85	0.18	0.48	1.22	0.22	13.63	15.63
25-392	3/3/2025	1.10	0.85	0.19	0.47	1.23	0.22	15.87	15.15
25-600	4/1/2025	0.85	0.86	0.18	0.49	1.23	0.21	12.97	15.28
25-819	5/5/2025	0.70	0.85	0.19	0.48	1.22	0.22	22.16	15.32
25-1010	6/2/2025	0.70	0.85	0.19	0.47	1.22	0.22	23.90	15.36
25-1291	7/2/2025	1.01	0.86	0.19	0.49	1.23	0.22	8.59	15.30
25-1541	8/4/2025	1.14	0.88	0.19	0.49	1.26	0.22	28.94	15.54
25-1777	9/3/2025	0.92	0.89	0.18	0.53	1.26	0.20	13.31	15.78
25-2042	10/6/2025	0.65	0.89	0.19	0.52	1.26	0.21	27.21	16.36
25-2300	11/3/2025	0.76	0.88	0.18	0.51	1.24	0.21	39.60	17.47

National 75th Percentile and 90th Percentile CV Averages for Ceriodaphnia Reproduction IC25 (EPA 833-R-00-003): 0.45 - 0.62
PMSD Upper and Lower Bounds for Ceriodaphnia Reproduction (EPA-821-R-02-013): 13% - 47%

NYELAP
ACCREDITATION ANALYTE LIST

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2026
Issued April 01, 2025

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. KIMBERLY WILLS
NEW ENGLAND BIOASSAY INC.
77 BATSON DRIVE
MANCHESTER, CT 06042

NY Lab Id No: 12157

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2016) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Aquatic Toxicity

Fathead minnow-Pimephales promelas	EPA 1000.0
	EPA 2000.0
Opossum shrimp-Americamysis bahia	EPA 1007.0
	EPA 2007.0
Sheephead minnow-Cyprinodon varie	EPA 1004.0
	EPA 2004.0
Water flea-Ceriodaphnia dubia	EPA 1002.0
	EPA 2002.0

Serial No.: 70903

Attachment C
WEST VALLEY DEMONSTRATION PROJECT (WVDP)
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE MONITORING REPORT (DMR)
SPDES PERMIT NO. NY-0000973

JANUARY 1 THROUGH JANUARY 31, 2026 MONITORING PERIOD

EMAIL CONFIRMATION FROM NYSDEC

From: netdmr-notification@epa.gov
To: R9.NetDMR@dec.ny.gov; Michael Pendl; Jennifer Dundas; Jamie Prowse; Elizabeth Lowes; rwring@cattco.org; William Frederick; Matia Varner; Robert Steiner; Anna Carr; Jacob Schinzel
Subject: NetDMR DMR(s) Submittal Passed for: NY0000973
Date: Wednesday, February 11, 2026 10:31:30 AM

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

CDX Transaction ID: _ea21beab-08c1-4a8c-9ce2-2e3706c000e5
User ID: ELIZABETH.LOWES@CHBWV.COM
Timestamp: 02/11/2026 08:45:38

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: 06/30/25

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: 11/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 001
Discharge: Z - WET TESTING
Monitoring Period End Date: 11/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 001
Discharge: W - OUTFALL 001 WET TESTING QUARTERLY
Monitoring Period End Date: 12/31/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 007
Discharge: W - OUTFALL 007 WET TESTING QUARTERLY
Monitoring Period End Date: 12/31/25

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: 01/31/26

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: 01/31/26

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 01/31/26

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK
Monitoring Period End Date: 01/31/26

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: SUM
Discharge: N - SUM OF OUTFALLS 1 & 7
Monitoring Period End Date: 01/31/26

Thank you.

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