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:2025:0678
July 21, 2025

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 June 1, 2025 through June 30, 2025" for SPDES Permit No. NY-0000973, West Valley Demonstration Project (WVDP) and Stormwater Monitoring Results for January 1, 2025 through June 30, 2025

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

2) Letter WR:2013:0033, John Rendall to Mark Jackson, "Notification of Changes to the West Valley Demonstration Project (WVDP) Wastewater Generation Activities in Accordance with 6 NYCRR 750-2.6(c): State Pollutant Discharge Elimination System (SPDES) Permit No. NY-0000973, U.S. Department of Energy (DOE), West Valley Demonstration Project (WVDP)," dated August 13, 2013

Dear Ms. Splitt:

This letter is being submitted by the West Valley Cleanup Alliance (WVCA) for Contracting Officer Representative's approval to inform you that the SPDES DMR for the reporting period June 1, through June 30, 2025, including the Net Iron calculation sheet has been submitted electronically. Please note that the results for the semi-annual stormwater outfall monitoring for the period of January 1, 2025, through June 30, 2025, are included in this submittal. Additionally, a second scheduled discharge from Outfall 001 occurred during the second quarter of 2025. As this was the second discharge for the quarter, the Network Discharge Monitoring Report (NetDMR) prompts to enter the Whole Effluent Toxicity (WET) data values were previously completed and were included in the May 2025 DMR submittal; however, the WET Test data report for the June Outfall 001 discharge and a discussion of the findings are included in this submittal. A copy of the email confirmation from the New York State Department of Environmental Conservation (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,

MARGARET LOOP (Affiliate)
Digitally signed by MARGARET LOOP (Affiliate)
Date: 2025.07.21 14:39:18 -04'00'

Peggy Loop for Jason L. Casper
President and Program Manager

JLC:AVC:mlv

Attachments:
A) SPDES DMR for June 1 through June 30, 2025 Monitoring Period
B) Stormwater Discharge Monitoring Results for January 1 through June 30, 2025 Monitoring Period
C) Whole Effluent Toxicity (WET) Testing Final Report for the June 2025 Discharge
D) 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
A. V. Carr, WVCA
J. L. Casper, WVCA
S. A. Cherry, WVCA
B. D. Gertz, WVCA
L. K. Hollfelder, WVCA
E. A. Lowes, WVCA
J. K. Mantione, WVCA
D. M. Martinet, WVCA
L. M. Michalczak, WVCA
J. T. Pillittere, WVCA (Public Reading Room)
J. R. Schinzel, WVCA
OITS, WVCA 2530208
Records, WVCA
DOE Support Staff, DOE-WVDP

Attachment A
SPDES DMR for June 1 through June 30, 2025 Monitoring Period

SYNOPSIS
STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES)
DISCHARGE MONITORING REPORT (DMR)
JUNE 1 THROUGH JUNE 30, 2025
WEST VALLEY DEMONSTRATION PROJECT (WVDP), SPDES PERMIT NO. NY-0000973

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 June 1 through June 30, 2025 Monitoring Period. The Synopsis, Net Iron Calculations, and Online DMR are included as this Attachment (Attachment A). There were discharges from Outfall 001-M (monthly), 001-S (semi-annual), 001-V (outfall action levels semi-annual), and 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 001B-M (mercury pre-treatment) during this monitoring period did not occur. A second Lagoon 3 discharge was scheduled and completed in June 2025, during the second quarter from Outfall 001. While the quarterly WET Test data for the April discharge from Outfall 001 (first discharge of the second quarter) were reported in the May 2025 DMR submittal, there are no pre-coded prompts to enter additional data values for this second quarterly discharge. However, the final data report has been received and is included in this DMR submittal. The following table shows the WET test results. The Lagoon 3 discharge from Outfall 001 compiled with the permit limits for both the acceptability criteria of "Acute Toxicity" (TUa of ≤0.3 maximum) and "Chronic Toxicity" (TUc 1.0 maximum) with the *Ceriodaphnia dubia* species.

Test Acceptability Criteria

Lab Control Survival:	100	%	Mean Lab Control Reproduction:	45.6	young per female
Diluent Control Survival:	100	%	Mean Diluent Control Reproduction:	45.4	young per female
Thiosulfate Control Survival:	N/A	%	Mean Thiosulfate Control Reproduction:	N/A	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

The semi-annual sampling results for the rotationally sequenced Stormwater Outfalls (S04, S06, S09, S17, S20, S27, S34, and S41) are included in this DMR submittal for the monitoring period of January 1 through June 30, 2025 (Attachment B). All stormwater results were within the applicable limits specified on page 14 of 31 of the SPDES permit. The Stormwater Outfall samples were collected on May 21, 2025, May 22, 2025, May 28, 2025,

and June 9, 2025. Outfalls S04, S17, and S34 were sampled on May 21, when a storm event of 0.67 inches of precipitation was recorded. The pH of Outfalls S04 and S34 was 7.83 standard units (SU), where S17 had a pH of 7.30 SU. These Outfalls were all observed with base flow upon arrival, with increasingly steady flow conditions observed. Outfall S41 was sampled on May 22, 2025, when a total of 0.19 inches of precipitation were recorded, and base flow conditions were observed. The pH of the stormwater of S41 was recorded as 7.71 SU. Stormwater Outfalls S20 and S27 were sampled on May 28, 2025, when a precipitation event of 0.16 inches was recorded. The outfalls were observed as base flow conditions upon arrival. The pH recorded at these Outfalls were 7.03 and 7.63, respectively. On June 9, 2025, a storm event of 1.18 inches was recorded and samples from Outfalls S06 and S09 were collected. Outfall S06 had flow upon arrival; however, S09 did not until shortly after a heavy downpour began in the early afternoon. The pH of these Outfalls was recorded above 8.5 SU, at 8.81 and 8.84, respectively. All Stormwater Outfall locations were sampled after the required 72 hours, except for Outfall S41. Stormwater Outfall S41 was sampled on May 22, 2025, although the number of hours between storm events was less than the required 72-hours, there was flow at this Outfall upon arrival. In addition, lead was sampled at Outfall S43 for the first 2025 semi-annual period on May 22, 2025, at the Live Fire Range. The reported result for lead at Outfall S43 was 0.0012 mg/L.

Additionally, scheduled herbicide spraying was performed onsite on June 11 and June 12, 2025. Per the permit requirements, one grab sample shall be collected from each stormwater outfall that is within an area where the herbicide Paraquat Dichloride (Gramoxone Extra) has been applied, and the sample is analyzed by EPA Method 549.2 (HPCL-UV). The permit states that, “samples shall be collected at the reasonable time after the herbicide application” and the results are to be submitted in a report with the data results. One Outfall, Outfall 001 was sampled for Paraquat Dichloride on June 26, 2025, and the result is provided in the following table. Additional onsite outfalls were sampled on July 7, 2025, for Paraquat Dichloride, and these data are included in the table below. Note that the hold time of the samples collected on July 7, 2025, was exceeded and the data “UJ” flagged. The “UJ” data is applicable when the analyte is not detected above the reported quantitation limit, and the reported quantitation limit is approximate.

OUTFALL	DATE SAMPLED	PARAMETER	RESULT	UNITS
S01	6/26/2025	Paraquat Dichloride	<0.00013	mg/L
S04	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S06	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S09	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S012	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S017	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S020	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S027	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S028	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S033	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S034	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S035	7/7/2025	Paraquat Dichloride	<0.00013	mg/L
S036	7/7/2025	Paraquat Dichloride	<0.00013	mg/L

NET IRON EFFLUENT CONCENTRATION CALCULATIONS
SPDES DMR
JUNE 1 THROUGH JUNE 30, 2025
WVDP, SPDES PERMIT NO. NY-0000973

OUTFALL 001 = $M1 = \frac{(X1 + X2 + X3 + X4)\ V1}{4}$ = 700,324.90 mg/month

X1 = 0.0925 mg/L
X2 = 0.15 mg/L
X3 = 0.1 mg/L
X4 = 0.092 mg/L
V1 = 6,447,179.72 L/month

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 = $\frac{M1 + M7 - MRW}{V1 + V7}$ = 0.1086 mg/L

TOTAL DISSOLVED SOLIDS (TDS) CONCENTRATION CALCULATION
(MONITORING POINT 116)
SPDES DMR
JUNE 1 THROUGH JUNE 30, 2025
WVDP, SPDES PERMIT NO. NY-0000973

Date: June 18, 2025

C4 = ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4

= (0.235 million gallons per day [MGD]) (732 mg/L) + (0.044 MGD) (567 mg/L) + (0.432 MGD) (136 mg/L) / 0.711 MGD

= 360 mg/L

Date: June 26, 2025

C4 = ((Q1) (C1) + (Q2) (C2) + (Q3) (C3)) / Q4

= (0.235 MGD) (738 mg/L) + (0.044 MGD) (318 mg/L) + (0.432 MGD) (131 mg/L) / 0.711 MGD

= 343 mg/L

Q1 = Flow at Outfall 001, million gallons per day (MGD).

C1 = Total Dissolved Solids (TDS) concentration at Outfall 001, mg/L.

Q2 = Flow in Franks Creek, MGD (without Outfall 001), measured at WNSP006 just prior to, and shortly after the discharge event.

C2 = TDS concentration in Franks Creek measured at WNSP006 just prior to, and shortly after the discharge event.

Q3 = Flow of augmentation water, MGD, if required.

C3 = TDS concentration in augmentation water, MGD.

Q4 = Q1 + Q2 + Q3, MGD (Flow in Franks Creek, including Outfall 001).

C4 <= 500 mg/L (calculated TDS concentration at 116 in Franks Creek, which includes Outfall 001).

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 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								=	124.0	=	124.0	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		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.

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:	2025-07-21 10:59 (Time Zone: -04:00)
Report Last Signed By	
User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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:	001 External Outfall	**Discharge:**	**001-S** OUTFALL 001 SEMI-ANNUAL		

Report Dates & Status

Monitoring Period:	**From 01/01/25 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			
00722	**Cyanide, free [amenable to chlorination]**	1 - Effluent Gross	0	--	Sample								<	0.005	<	0.005	19 - mg/L	0	02/YR - Twice Per Year	GR - Grab
					Permit Req.									Req Mon MO AVG	<=	0.005 DAILY MX	19 - mg/L		02/YR - Twice Per Year	GR - Grab
					Value NODI															
01055	**Manganese, total [as Mn]**	1 - Effluent Gross	0	--	Sample								=	0.0258	=	0.0258	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	2.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01067	**Nickel, total [as Ni]**	1 - Effluent Gross	0	--	Sample								<	0.0034	<	0.0034	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.079 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01094	**Zinc, total recoverable**	1 - Effluent Gross	0	--	Sample								<	0.0039	<	0.0039	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.13 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01114	**Lead, total recoverable**	1 - Effluent Gross	0	--	Sample								<	0.00021	<	0.00021	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.006 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01118	**Chromium, total recoverable**	1 - Effluent Gross	0	--	Sample								<	0.0012	<	0.0012	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.11 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01119	**Copper, total recoverable**	1 - Effluent Gross	0	--	Sample								<	0.00073	<	0.00073	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.									Req Mon MO AVG	<=	0.014 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
39410	**Heptachlor**	1 - Effluent Gross	0	--	Sample								<	0.00649	<	0.00649	28 - ug/L		02/YR - Twice Per Year	GR - Grab
					Permit Req.								<=	0.01 MO AVG		Req Mon DAILY MX	28 - ug/L		02/YR - Twice Per Year	GR - Grab
					Value NODI															

Submission Note

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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.

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:	2025-07-21 10:26 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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:	001 External Outfall	**Discharge:**	**001-V** OUTFALL 001 ACTION LEVELS SEMI-ANNUAL		

Report Dates & Status

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

Considerations for Form Completion

SEE PERMIT FOR REPORTING 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			
01022	**Boron, total [as B]**	V - See Comments	0	--	Sample										=	0.0421	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.										<=	2.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
01152	**Titanium, total [as Ti]**	V - See Comments	0	--	Sample										<	0.0011	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.										<=	0.65 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															
71870	**Bromide [as Br]**	V - See Comments	0	--	Sample										<	0.37	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Permit Req.										<=	5.0 DAILY MX	19 - mg/L		02/YR - Twice Per Year	24 - 24 Hour Composite
					Value NODI															

Submission Note

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Edit Check Errors

No errors.

Comments

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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:	2025-07-21 10:01 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes

E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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 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			
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

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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:	2025-07-21 08:01 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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 04/01/25 to 06/30/25**	**DMR Due Date:**	**08/28/25**	**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:	2025-06-16 10:42 (Time Zone: -04:00)

Report Last Signed By

User: ELIZABETH.LOWES@CHBWV.COM

Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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 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			
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:	2025-07-21 07:33 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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:	116 Internal Outfall	**Discharge:**	**116-M** PSEUDO MON. POINT @FRANKS CRK		

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

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								=	351.0	=	360.0	19 - mg/L		02/DS - Twice Per Discharge	CA - Calculated
					Permit Req.									Req Mon MO AVG	<=	500.0 DAILY MX	19 - mg/L		02/DS - Twice Per Discharge	CA - Calculated
					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.

Attachments

Name	Type	Size
WVDP_2025_TDS_Calculations.pdf	pdf	191121.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2025-07-21 10:00 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

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:	SUM Internal Outfall	**Discharge:**	**SUM-N** SUM OF OUTFALLS 1 & 7		

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			
01045	**Iron, total [as Fe]**	2 - Effluent Net	0	--	Sample								=	0.1086	=	0.15	19 - mg/L		01/30 - Monthly	CA - Calculated
					Permit Req.									Req Mon MO AVG	<=	1.0 DAILY MX	19 - mg/L		01/30 - Monthly	CA - Calculated
					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.

Attachments

Name	Type	Size
WVDP_June_2025_Net_Iron_Calculation.pdf	pdf	193378.0

Report Last Saved By

U.S. DEPT OF ENERGY

User:	WVDPAC2025
Name:	Anna Carr
E-Mail:	anna.carr@chbwv.com
Date/Time:	2025-07-21 07:34 (Time Zone: -04:00)

Report Last Signed By

User:	ELIZABETH.LOWES@CHBWV.COM
Name:	Elizabeth Lowes
E-Mail:	elizabeth.lowes@chbwv.com
Date/Time:	2025-07-21 12:25 (Time Zone: -04:00)

Attachment B
Stormwater Discharge Monitoring Results for January 1 through June 30, 2025 Monitoring Period

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 1, OUTFALL S04
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.83 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.52	<1.61	15 mg/L
	BOD-5	1.61	4.19	Not specified in permit. N.R. = Not Required. "R" flagged data = unreliable during the data validation process.
	Total Suspended Solids (TSS)	61.6	291	
	Total Dissolved Solids (TDS)	1500	450	
	Phosphorus, Total	0.044	0.12	
Group B Parameters	Aluminum	2.66	8.75	
	Iron	3.63	12.1	
	Copper, Total Recoverable (TR)	0.0054	0.015	
	Lead (TR)	0.0045	0.0223	
	Zinc (TR)	0.0251	0.0935	
Group C Parameters	Total Nitrogen (as N)	0.645	0.456	
	TKN	0.41	0.24	
	Nitrate Nitrogen (as N)	0.21	0.16	
	Nitrite Nitrogen (as N)	0.025	0.056	
	Ammonia Nitrogen (as NH3)	0.04	0.053 "R"	
	Cadmium, TR	<0.000079	0.00017	
	Chromium, TR	0.0024	0.0062	
	Hexavalent Chromium, TR	<0.005	0.011	
	Selenium, TR	< 0.00044	< 0.00044	
	Vanadium, TR	0.0037	0.0084	
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	570,000	
	Maximum Flow rate, gallons per minute	7,000	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/21/2025	05/21/2025	
	Duration of storm event, in minutes	N.R.	450	Rain started at 0600 EST on 5/21/25 and ended at 1330 EST on 5/21/25.
	Date and Time of sample collection	05/21/2025 0645	05/21/2025 0930	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.16	A storm total of 0.67 inches of precipitation was recorded on 5/21/25.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	72	Precipitation of 0.11 inches of precipitation was recorded on 5/18/25. The outfall was at base flow, but increasingly steady conditions upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 2, OUTFALL S06/DUPLICATE
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab/Duplicate	Flow-Weighted Composite	
Group A Parameters	pH	8.81 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	2.95 / <1.69	N.R.	15 mg/L
	BOD-5	19.8 / 18.8	8.09	Not specified in permit. N.R. = Not Required. "R" flagged data = unreliable during the data validation process.
	Total Suspended Solids (TSS)	176 / 228	64.8	
	Total Dissolved Solids (TDS)	525 / 541	456	
	Phosphorus, Total	1.1 / 0.58	0.22	
Group B Parameters	Aluminum	1.35 / 2.81	1.86	
	Iron	11 / 44.3 "R"	4.11	
	Copper, Total Recoverable (TR)	0.0068 / 0.0131	0.0044	
	Lead (TR)	0.0051 / 0.0057	0.0045	
	Zinc (TR)	0.0575 / 0.166	0.0253	
Group C Parameters	Total Nitrogen (as N)	N.R.	N.R.	
	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R	N.R.	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.016 / <0.013	0.031	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	18,000	
	Maximum Flow rate, gallons per minute	250	N.R.	
	Method of flow measurement	Flow Meter		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	06/09/25	06/09/2025	
	Duration of storm event, in minutes	N.R.	1,080	Rain started at 0600 EST on 6/09/25 and ended at 0000 EST on 6/10/25.
	Date and Time of sample collection	06/09/25 1340	06/09/25 1630	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	1.18	Heavy downpour began at 1320. Storm total 1.18 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	72	Precipitation of 0.13 inches was recorded on 6/6/25 at 2015 EST. The outfall was at base flow conditions upon arrival at.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 3, OUTFALL S09
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	8.84 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	2.67	N.R.	15 mg/L
	BOD-5	15.1	20	Not specified in permit. N.R. = Not Required. "R" flagged data = unreliable during the data validation process.
	Total Suspended Solids (TSS)	104	5920	
	Total Dissolved Solids (TDS)	264	212	
	Phosphorus, Total	0.22	2.3	
Group B Parameters	Aluminum	1.43	21.6	
	Iron	1.76	33	
	Copper, Total Recoverable (TR)	0.0058	0.0518	
	Lead (TR)	0.0056	0.108	
	Zinc (TR)	0.0286	0.382	
Group C Parameters	Total Nitrogen (as N)	<0.53	3.164	
	TKN	3.5	2.8	
	Nitrate Nitrogen (as N)	0.16	0.34	
	Nitrite Nitrogen (as N)	<0.020	0.024	
	Ammonia Nitrogen (as NH3)	0.6	0.24	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	N.R.	N.R.	
	Alpha BHC	<0.00000665	<0.00000665 "R"	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	250,000	
	Maximum Flow rate, gallons per minute	7,400	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	06/09/25	06/09/25	
	Duration of storm event, in minutes	N.R.	1,080	Rain started at 0600 EST on 6/09/25 and ended at 0000 EST on 6/10/25.
	Date and Time of sample collection	06/09/25 1325	06/09/25 1615	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	1.18	Heavy downpour began at 1320. Storm total 1.18 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	72	Precipitation of 0.13 inches was recorded on 6/6/25 at 2015 EST. The outfall had no flow upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 5, OUTFALL S17
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.30 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.65	<1.56	15 mg/L
	BOD-5	1.23	3.19	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	232	851	
	Total Dissolved Solids (TDS)	673	537	
	Phosphorus, Total	0.03	0.3	
Group B Parameters	Aluminum	2.28	21.7	
	Iron	3.65	30	
	Copper, Total Recoverable (TR)	0.0023	0.0388	
	Lead (TR)	0.0029	0.0596	
	Zinc (TR)	0.0119	0.218	
Group C Parameters	Total Nitrogen (as N)	<0.487	0.439	
	TKN	0.43	0.25	
	Nitrate Nitrogen (as N)	0.037	0.15	
	Nitrite Nitrogen (as N)	<0.020	0.039	
	Ammonia Nitrogen (as NH3)	0.091	0.021	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	<0.0019	0.0213	
	Surfactant (as LAS)	0.024	<0.013	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	1 (mL/L)	4.5 (mL/L)	
	Sulfide	<0.0330	<0.0330	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	53,000	
	Maximum Flow rate, gallons per minute	470	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/21/25	05/21/25	
	Duration of storm event, in minutes	N.R.	450	Rain started at 0600 EST on 05/21/25 and ended at 1330 EST on 5/21/25.
	Date and Time of sample collection	05/21/25 0800	05/21/25 1050	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.02	A storm total of 0.67 inches of precipitation was recorded on 5/21/25.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	72	Precipitation of 0.11 inches was recorded on 05/18/25. The outfall was at base flow, but increasingly steady conditions upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 7, OUTFALL S20
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.03 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.61	<1.63	15 mg/L
	BOD-5	18.1	6.72	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	6	<4.0	
	Total Dissolved Solids (TDS)	29	25	
	Phosphorus, Total	0.1	0.026	
Group B Parameters	Aluminum	0.106	<0.088	
	Iron	0.248	0.109	
	Copper, Total Recoverable (TR)	0.0017	<0.00073	
	Lead (TR)	0.00033	<0.00021	
	Zinc (TR)	0.0163	<0.0039	
Group C Parameters	Total Nitrogen (as N)	<1.49	<0.71	
	TKN	1	0.46	
	Nitrate Nitrogen (as N)	0.47	0.23	
	Nitrite Nitrogen (as N)	<0.020	<0.020	
	Ammonia Nitrogen (as NH3)	0.37	0.095	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.039	0.018	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	<0.67	<0.67	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	40,000	
	Maximum Flow rate, gallons per minute	620	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/28/25	05/28/25	
	Duration of storm event, in minutes	N.R.	375	Rain started at 0645 EST on 5/28/25 and ended at 1100 EST on 5/28/25.
	Date and Time of sample collection	05/28/25 09:50	05/28/25 12:40	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.08	An additional 0.15 inches was recorded on 5/28/25 for a storm total of 0.23 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	240	Precipitation of 0.16 inches was recorded on 5/24/25. The outfall was at base flow conditions upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 8, OUTFALL S27
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.63 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.51	<1.59	15 mg/L
	BOD-5	5.12	12.6	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	84.8	30	
	Total Dissolved Solids (TDS)	469	401	
	Phosphorus, Total	0.061	0.04	
Group B Parameters	Aluminum	2.09	1.53	
	Iron	1.79	0.86	
	Copper, Total Recoverable (TR)	0.0025	0.0036	
	Lead (TR)	0.0022	0.0015	
	Zinc (TR)	0.0097	0.0079	
Group C Parameters	Total Nitrogen (as N)	<0.50	<0.70	
	TKN	0.46	0.66	
	Nitrate Nitrogen (as N)	<0.020	<0.020	
	Nitrite Nitrogen (as N)	<0.020	<0.020	
	Ammonia Nitrogen (as NH3)	0.01	0.079	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.028	0.021	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	66,000	
	Maximum Flow rate, gallons per minute	400	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/28/25	05/28/25	
	Duration of storm event, in minutes	N.R.	375	Rain started at 0645 EST on 5/28/25 and ended at 1100 EST on 5/28/25.
	Date and Time of sample collection	05/28/25 1010	05/28/25 1255	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.08	An additional 0.15 inches was recorded on 5/28/25 for a storm total of 0.23 inches.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	240	Precipitation of 0.16 inches was recorded on 5/24/25. The outfall was at base flow conditions upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 4, OUTFALL S34
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.83 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.65	<1.56	15 mg/L
	BOD-5	3.04	3.7	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	63.6	268	
	Total Dissolved Solids (TDS)	260	265	
	Phosphorus, Total	0.044	0.15	
Group B Parameters	Aluminum	2.48	9.47	
	Iron	2.9	12.6	
	Copper, Total Recoverable (TR)	0.0051	0.0155	
	Lead (TR)	0.0042	0.0196	
	Zinc (TR)	0.0294	0.109	
Group C Parameters	Total Nitrogen (as N)	N.R.	N.R.	
	TKN	N.R.	N.R.	
	Nitrate Nitrogen (as N)	N.R.	N.R.	
	Nitrite Nitrogen (as N)	N.R.	N.R.	
	Ammonia Nitrogen (as NH3)	N.R.	N.R.	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	N.R.	N.R.	
	Surfactant (as LAS)	0.052	0.021	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	N.R.	N.R.	
	Sulfide	N.R.	N.R.	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	63,000	
	Maximum Flow rate, gallons per minute	1,300	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/21/25	05/21/25	
	Duration of storm event, in minutes	N.R.	450	Rain started at 0600 EST on 05/21/25 and ended at 1330 EST on 5/21/25.
	Date and Time of sample collection	05/21/25 0715	05/21/25 1005	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.18	A storm total of 0.67 inches of precipitation was recorded on 5/21/25.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	72	Precipitation of 0.11 inches was recorded on 5/18/25. The outfall was at base flow, but increasingly steady conditions upon arrival.

STORMWATER DISCHARGE MONITORING RESULTS
OUTFALL GROUP 6, OUTFALL S41
(Monitoring Period: January 1 through June 30, 2025)
SDPES DMR - JUNE 1 THROUGH JUNE 30, 2025

Parameter Group	Parameter	Results in mg/L		Permit No. NY-0000973 Compliance Limit
		First Flush Grab	Flow-Weighted Composite	
Group A Parameters	pH	7.71 S.U.	N.R.	Not Specified in Permit.
	Oil and Grease	<1.56	<1.56	15 mg/L
	BOD-5	3.81	<3.00	Not specified in permit. N.R. = Not Required.
	Total Suspended Solids (TSS)	98	147	
	Total Dissolved Solids (TDS)	659	481	
	Phosphorus, Total	0.066	0.17	
Group B Parameters	Aluminum	1.05	5.29	
	Iron	0.673	3.77	
	Copper, Total Recoverable (TR)	0.0024	0.0052	
	Lead (TR)	0.00043	0.0022	
	Zinc (TR)	0.0361	0.0449	
Group C Parameters	Total Nitrogen (as N)	<0.54	0.625	
	TKN	0.19	0.2	
	Nitrate Nitrogen (as N)	0.33	0.39	
	Nitrite Nitrogen (as N)	<0.020	0.035	
	Ammonia Nitrogen (as NH3)	0.013	0.026	
	Cadmium, TR	N.R.	N.R.	
	Chromium, TR	N.R.	N.R.	
	Hexavalent Chromium, TR	N.R.	N.R.	
	Selenium, TR	N.R.	N.R.	
	Vanadium, TR	<0.0019	0.0101	
	Surfactant (as LAS)	0.028	0.024	
	Alpha BHC	N.R.	N.R.	
	Settleable Solids	0.1 (mL/L)	0.3 (mL/L)	
	Sulfide	<0.0330	<0.0330	
	Paraquat Dichloride	N.R.	N.R.	
Flow	Total Flow, gallons	N.R.	6,000	
	Maximum Flow rate, gallons per minute	92	N.R.	
	Method of flow measurement	Staff Gauge		
Rainfall Event and Monitoring Summary	Date(s) of event monitored	05/22/25	05/22/25	
	Duration of storm event, in minutes	N.R.	105	Rain started at 1015 EST on 5/22/25 and ended at 1200 EST on 5/22/25.
	Date and Time of sample collection	05/22/25 1100	05/22/25 1350	
	Sampling Duration (Minutes)	Instantaneous	180	
	Total rainfall during sampling event, in inches	N.R.	0.19	A storm total of 0.19 inches of precipitation was recorded on 5/22/25.
	Number of hours between event sampled and previous measurable (> 0.1 inch) event	N.R.	<24 hours	Precipitation of 0.67 inches was recorded on 5/21/25. The outfall was at base flow conditions upon arrival.

Attachment C
Whole Effluent Toxicity Testing Final Report for the June 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

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JOB DESCRIPTION

SPDES
1542

JOB NUMBER

480-231089-1

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

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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: 480-231089-1
Project: SPDES

Job ID: 480-231089-1 Eurofins Buffalo

Job Narrative
480-231089-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 6/20/2025 7:47 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

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)
Project/Site: SPDES

Job ID: 480-231089-1
SDG: 1542

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-231089-1	2025-04461 WNSP001	Water	06/19/25 14:00	06/20/25 07:47

New England Bioassay Inc.
Aquatic Toxicity Testing Services
77 Batson Drive
Manchester, CT 06042
(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: 2025-04461, 2025-04466
Test Month/Year: June 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 6/18-19/25 #2 6/22-23/25

Test Start Date: 6/20/25

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: 2025-04461, 2025-04466 Test Start Date: 6/20/25

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: 7/14/25 (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: 2025-04461, 2025-04466 Test Start Date: 6/20/25

Sample Collection Information

Effluent #1 Dates/Times: 6/18-19/25 @ 1400 - 1400 Receiving Water #1 Date/Time: 6/19/25 @ 1345

Effluent #2 Dates/Times: 6/22-23/25 @ 0930 - 0930 Receiving Water #2 Date/Time: 6/23/25 @ 0900

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 N/A 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: 6/2/25

Toxicant: Sodium chloride

Dilution Water: NEB CTRMH

Organism Source: NEB

Reproduction IC25: 0.70 g/L

Results within range Yes ☑ No ☐

Ceriodaphnia dubia Test Results

Permittee name: West Valley Demonstration Project Permit number: NY0000973

Client sample ID: 2025-04461, 2025-04466 Test Dates: 6/20/25 - 6/27/25

Test Acceptability Criteria

Lab Control Survival:	100	%	Mean Lab Control Reproduction:	45.6	young per female
Diluent Control Survival:	100	%	Mean Diluent Control Reproduction:	45.4	young per female
Thiosulfate Control Survival:	N/A	%	Mean Thiosulfate Control Reproduction:	N/A	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: 17.8% 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: 2025-04461, 2025-04466 Test Dates: 6/20/25 - 6/27/25

Concentration - Response Evaluation

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

Reproduction: # 11 No significant effects at any test concentration with a flat concentration-response curve. Test concentrations performed very similarly to 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 #	25-1223
ADDRESS:	10 Hazelwood Drive	CHAIN OF CUSTODY #	C45-3373/74
	Amherst, NY 14228	NEB PROJECT #	44240
PERMITTEE:	West Valley Demonstration Project	SAMPLE ID:	2025-04461, 2025-04466
PERMIT NUMBER:	NY0000973		
DILUTION WATER:	Erdman Brook		

INVERTEBRATES

TEST SET-UP TECHNICIAN:	LP/PD
TEST SPECIES:	*Ceriodaphnia dubia*
NEB LOT #	Cd25(RMH154)
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-MH017	90	58

	DATE	TIME
TEST START:	6/20/25	1033
TEST END:	6/27/25	1010

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: 7/14/25

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:	25-1223	COC #	C45-3373/74
TEST ORGANISM:	*Ceriodaphnia dubia*	AGE:	<24 hours	Lot #	Cd25(RMH154)
START DATE:	6/20/25	TIME:	1033	END DATE:	6/27/25	TIME:	1010

Effluent Concentration	Day Number	Culture Lot# Cd25(RMH154) Replicate A	B	C	D	E	F	G	H	I	J	Total Live Young	# Live Adults	Analyst-Transfer	Analyst-Counts
	Cup #	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10				
NEB Lab Control	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	LP/PD	
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	PD	
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10	PD	
	3	✓	7	✓	✓	✓	✓	✓	✓	✓	✓	7	10	ME	ME
	4	6	13	4	8	7	8	8	16	8	5	83	10	MOR	MOR
	5	18	✓	12	20	16	13	17	✓	15	16	127	10	LP/CG	LP/CG
	6	24	22	18	26	17	18	21	25	24	21	216	10	AW/DB	AW/DB
	7	✓	~~22~~	~~17~~	~~20~~	✓	1	✓	22	~~23~~	~~22~~	23	10	DB	DB
	totals	48	42	34	54	40	40	46	63	47	42	456	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	✓	8	✓	7	✓	✓	✓	5	7	✓	27	10		
	4	7	18	6	15	8	8	8	4	16	7	97	10		
	5	18	✓	18	✓	20	17	19	✓	✓	17	109	10		
	6	21	26	19	25	22	21	18	22	23	22	219	10		
	7	1	~~15~~	✓	1	✓	✓	2	~~23~~	~~9~~	✓	2	10		
	totals	47	52	43	48	50	46	47	31	46	46	454	10		
6.25%		A	B	C	D	E	F	G	H	I	J				
	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	✓	✓	5	✓	✓	✓	7	✓	✓	12	10		
	4	7	3	8	15	8	6	8	10	8	6	79	10		
	5	17	✓	16	✓	18	18	17	✓	18	14	118	10		
	6	21	4	20	23	19	20	21	22	22	22	194	10		
	7	✓	✓	✓	~~20~~	✓	✓	✓	~~22~~	✓	~~15~~	0	10		
	totals	45	7	44	43	45	44	46	39	48	42	403	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: 6/20/25

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	✓	6	✓	6	✓	✓	✓	✓	6	✓	18	10		
	4	7	12	8	18	8	7	7	10	14	7	98	10		
	5	15	✓	20	✓	20	19	20	✓	✓	18	112	10		
	6	22	25	19	12	19	19	22	21	25	23	207	10		
	7	✓	~~8~~	✓	~~23~~	✓	✓	✓	5	~~24~~	~~17~~	5	10		
	totals	44	43	47	36	47	45	49	36	45	48	440	10		
		A	B	C	D	E	F	G	H	I	J				
25%	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	6	✓	7	✓	✓	✓	5	✓	✓	18	10		
	4	4	14	7	18	6	7	9	17	7	7	96	10		
	5	5	✓	15	✓	12	18	19	✓	20	17	106	10		
	6	15	26	23	23	✓	17	21	24	22	24	195	10		
	7	~~18~~	✓	✓	7	✓	✓	✓	~~23~~	✓	~~12~~	7	10		
	totals	24	46	45	55	18	42	49	46	49	48	422	10		
		A	B	C	D	E	F	G	H	I	J				
50%	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	8	✓	7	✓	✓	✓	6	✓	6	27	10		
	4	8	12	8	14	8	8	8	10	1	14	91	10		
	5	15	✓	12	✓	16	18	16	✓	16	✓	93	10		
	6	23	25	16	23	21	21	20	25	20	12	206	10		
	7	✓	~~23~~	~~23~~	~~24~~	✓	✓	✓	~~29~~	~~25~~	~~31~~	0	10		
	totals	46	45	36	44	45	47	44	41	37	32	417	10		
		A	B	C	D	E	F	G	H	I	J				
100%	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	0	10		
	3	✓	7	✓	7	✓	✓	✓	5	3	✓	22	10		
	4	8	13	8	16	6	3	8	12	6	6	86	10		
	5	25	✓	16	✓	14	19	18	✓	13	17	122	10		
	6	18	24	14	26	23	23	23	22	22	19	214	10		
	7	✓	~~16~~	~~26~~	~~29~~	✓	✓	~~11~~	~~13~~	~~18~~	✓	0	10		
	totals	51	44	38	49	43	45	49	39	44	42	444	10		

CETIS Analytical Report

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

Analysis ID:	17-4404-9537	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X)	Linear	496653	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

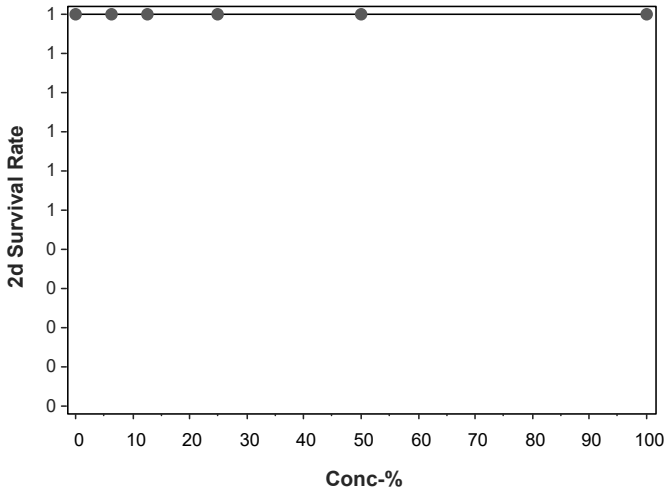
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		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:	17-4404-9537	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**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:	19-2758-7941	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:09	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0

Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff		
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water		
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable		
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture	**Age:**	<24

Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**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

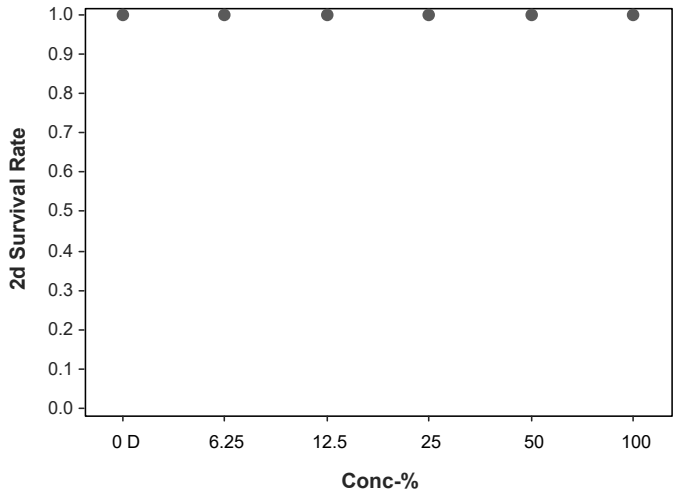
Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	19-2758-7941	**Endpoint:**	2d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:09	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**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:	08-7366-9689	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Log(X)	Linear	1718407	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

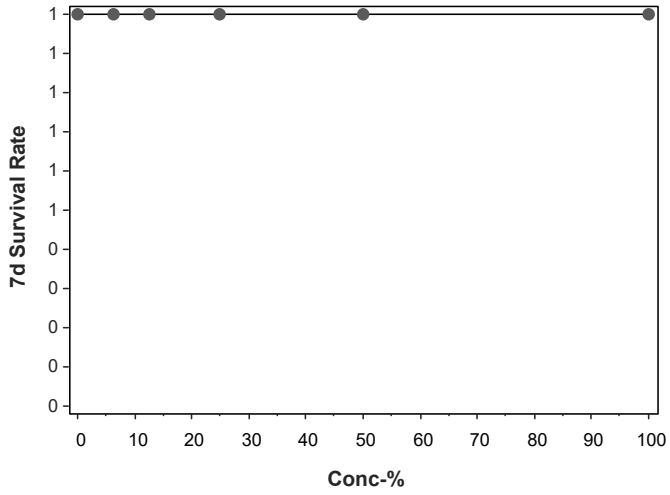
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		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:	08-7366-9689	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**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:	04-0492-8893	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	210893	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

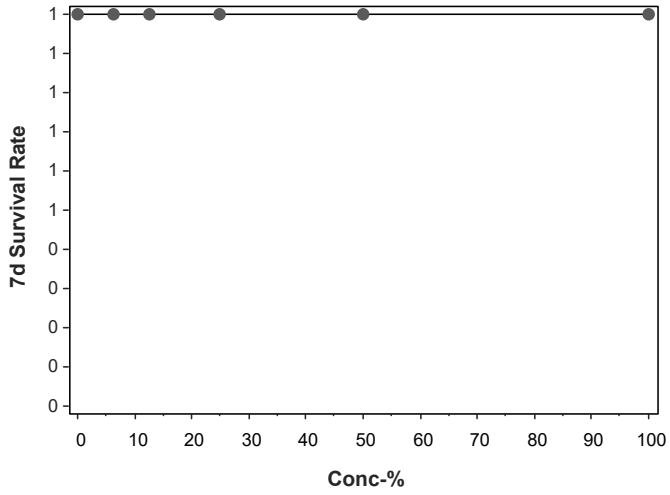
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		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:	04-0492-8893	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**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:	17-2037-3585	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	521A0DF2AE1E59D72392DBABE0C7AEF	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**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

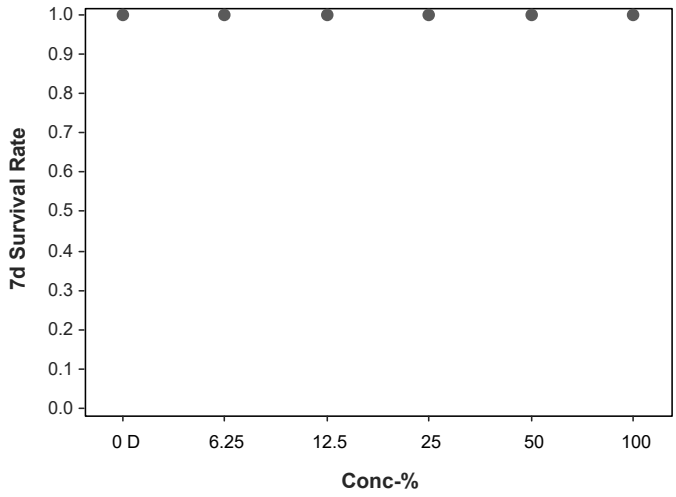
Ceriodaphnia 7-d Survival and Reproduction Test **New England Bioassay**

Analysis ID:	17-2037-3585	**Endpoint:**	7d Survival Rate	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	STP 2xK Contingency Tables	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**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:	15-9118-9648	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Nonparametric-Control vs Treatments	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	A241A9E4C7B15AF2729AF1AA0A06E15B	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**Client:**	Eurofins		

Data Transform	Alt Hyp	NOEL	LOEL	TOEL	Tox Units	MSDu	PMSD
Untransformed	C > T	100	>100	---	1	8.124	17.82%

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	77.5	75	3	CDF	0.0711	Non-Significant Effect
		12.5	18	92	75	3	CDF	0.4218	Non-Significant Effect
		25	18	98.5	75	2	CDF	0.6489	Non-Significant Effect
		50	18	76.5	75	2	CDF	0.0601	Non-Significant Effect
		100	18	90.5	75	1	CDF	0.3707	Non-Significant Effect

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	45.6	15	<<	Yes	Passes Criteria
PMSD	0.1782	0.13	0.47	Yes	Passes Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	193.333	38.6667	5	0.614	0.6896	Non-Significant Effect
Error	3400.6	62.9741	54			
Total	3593.93		59			

ANOVA Assumptions Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variance	Bartlett Equality of Variance Test	19.89	15.09	0.0013	Unequal Variances
Distribution	Shapiro-Wilk W Normality Test	0.7808	0.9459	<1.0E-05	Non-Normal Distribution

Reproduction Summary

Conc-%	Code	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	D	10	45.6	41.54	49.66	46.4	31	52	1.796	12.46%	0.00%
6.25		10	40.3	31.76	48.84	44	7	48	3.777	29.64%	11.62%
12.5		10	44	40.71	47.29	45	36	49	1.453	10.44%	3.51%
25		10	42.2	33.79	50.61	46	18	55	3.717	27.86%	7.46%
50		10	41.7	38.1	45.3	44	32	47	1.592	12.07%	8.55%
100		10	44.4	41.34	47.46	44	38	51	1.352	9.63%	2.63%

Reproduction Detail

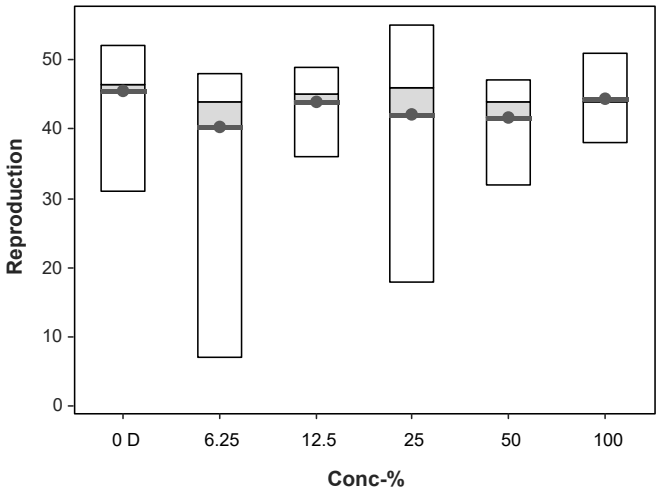
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	47	52	43	48	50	46	47	31	46	46
6.25		45	7	44	43	45	44	46	39	48	42
12.5		44	43	47	36	47	45	49	36	45	48
25		24	46	45	55	18	42	49	46	49	48
50		46	45	36	44	45	47	44	41	37	32
100		51	44	38	49	43	45	49	39	44	42

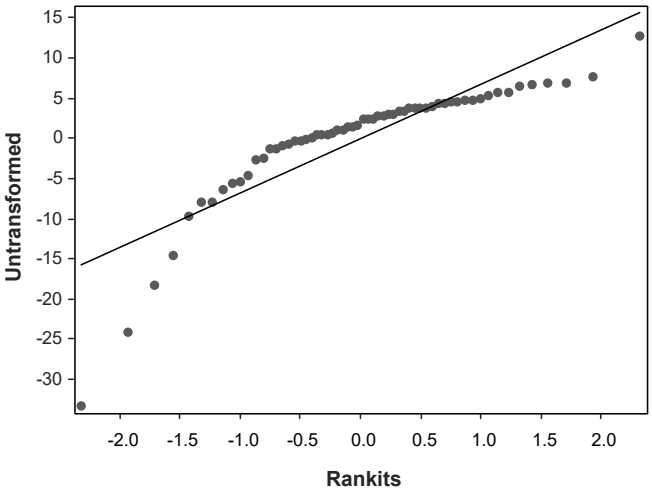
CETIS Analytical Report

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

Analysis ID:	15-9118-9648	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Nonparametric-Control vs Treatments	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	A241A9E4C7B15AF2729AF1AA0A06E15B	**Editor ID:**	000-173-188-0

Graphics





CETIS Analytical Report

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

Analysis ID:	20-9144-0635	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	A241A9E4C7B15AF2729AF1AA0A06E15B	**Editor ID:**	000-173-188-0
Batch ID:	11-6199-1169	**Test Type:**	Reproduction-Survival (7d)	**Analyst:**	Melanie Cruff
Start Date:	20 Jun-25 10:33	**Protocol:**	EPA/821/R-02-013 (2002)	**Diluent:**	Receiving Water
Ending Date:	27 Jun-25 10:10	**Species:**	Ceriodaphnia dubia	**Brine:**	Not Applicable
Test Length:	7d	**Taxon:**	Branchiopoda	**Source:**	In-House Culture **Age:** <24
Sample ID:	19-9821-6332	**Code:**	771A5C8C	**Project:**	
Sample Date:	19 Jun-25 14:00	**Material:**	WWTF Effluent	**Source:**	West Valley Demonstration Project (N
Receipt Date:	20 Jun-25 07:47	**CAS (PC):**		**Station:**	
Sample Age:	21h	**Client:**	Eurofins		

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	2016536	200	Yes	Two-Point Interpolation

Test Acceptability Criteria

		TAC Limits			
Attribute	**Test Stat**	**Lower**	**Upper**	**Overlap**	**Decision**
Control Resp	45.6	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	45.6	46.4	31	52	12.46%	0.00%	45.6	0.00%
6.25		10	40.3	44	7	48	29.64%	11.62%	42.52	6.75%
12.5		10	44	45	36	49	10.44%	3.51%	42.52	6.75%
25		10	42.2	46	18	55	27.86%	7.46%	42.52	6.75%
50		10	41.7	44	32	47	12.07%	8.55%	42.52	6.75%
100		10	44.4	44	38	51	9.63%	2.63%	42.52	6.75%

Reproduction Detail

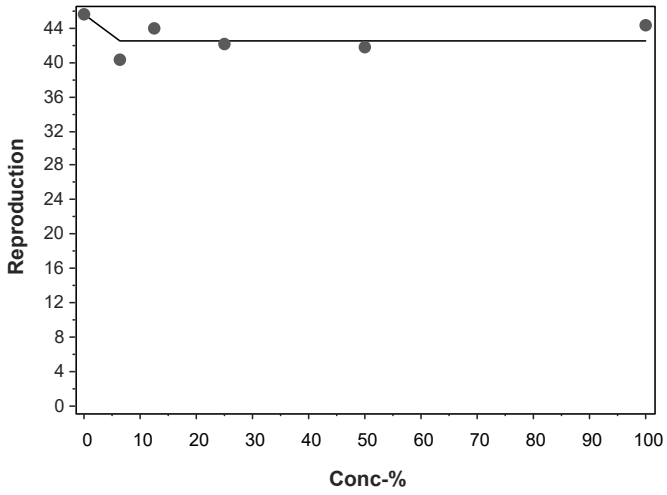
Conc-%	Code	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	D	47	52	43	48	50	46	47	31	46	46
6.25		45	7	44	43	45	44	46	39	48	42
12.5		44	43	47	36	47	45	49	36	45	48
25		24	46	45	55	18	42	49	46	49	48
50		46	45	36	44	45	47	44	41	37	32
100		51	44	38	49	43	45	49	39	44	42

CETIS Analytical Report

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

Analysis ID:	20-9144-0635	**Endpoint:**	Reproduction	**CETIS Version:**	CETISv2.1.4
Analyzed:	30 Jun-25 13:10	**Analysis:**	Linear Interpolation (ICPIN)	**Status Level:**	1
Edit Date:	30 Jun-25 13:09	**MD5 Hash:**	A241A9E4C7B15AF2729AF1AA0A06E15B	**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:			6/20/25 TIME:	1033
NEB Lab Control	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.9	25.2	25.4	25.4	25.4	25.2	25.0	
D.O. mg/L Initial	8.1	8.3	8.2	8.2	8.3	8.2	8.3	
pH s.u. Initial	7.3	7.5	8.0	8.0	7.8	8.3	7.8	
Conductivity µS Initial	314	319	320	330	316	320	355	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.7	25.3	25.2	25.3	26.0	24.5	24.6	
D.O. mg/L Final	8.2	8.2	8.1	8.1	7.8	8.2	8.0	
pH s.u. Final	7.8	7.9	7.6	7.7	7.5	7.7	7.9	
Conductivity µS Final	329	333	334	330	329	332	330	
Erdman Brook Diluent	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.7	25.2	25.0	24.6	25.4	25.0	25.3	
D.O. mg/L Initial	8.4	8.5	8.7	9.0	8.3	8.9	8.7	
pH s.u. Initial	7.7	7.6	7.9	7.9	7.8	8.0	7.9	
Conductivity µS Initial	306	308	309	306	287	299	305	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.8	25.5	25.2	25.3	26.0	24.6	24.6	
D.O. mg/L Final	8.1	8.2	8.2	8.2	7.8	8.2	8.0	
pH s.u. Final	8.0	8.0	7.8	8.0	7.5	8.0	8.2	
Conductivity µS Final	317	323	321	314	309	317	310	
6.25%	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.6	25.1	25.1	24.5	25.3	24.9	25.2	
D.O. mg/L Initial	8.4	8.6	8.7	8.9	8.4	8.9	8.7	
pH s.u. Initial	7.7	7.6	7.9	7.9	7.8	8.0	8.0	
Conductivity µS Initial	357	361	364	366	347	350	362	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.8	25.6	25.3	25.3	26.0	24.5	24.6	
D.O. mg/L Final	8.1	8.2	8.2	8.2	7.9	8.2	8.0	
pH s.u. Final	8.0	8.0	7.8	8.0	7.6	8.0	8.2	
Conductivity µS Final	371	375	369	377	359	365	364	

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:			6/20/25 TIME:	1033

12.5%	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.6	25.1	25.1	24.4	25.4	24.8	25.2	
D.O. mg/L Initial	8.5	8.6	8.7	9.0	8.4	8.9	8.7	
pH s.u. Initial	7.8	7.7	7.9	7.9	7.8	8.0	8.0	
Conductivity µS Initial	423	421	422	430	410	410	415	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.7	25.6	25.3	25.3	26.0	24.4	24.6	
D.O. mg/L Final	8.1	8.2	8.3	8.5	7.9	8.3	7.9	
pH s.u. Final	8.1	8.1	7.9	8.1	7.7	8.1	8.2	
Conductivity µS Final	436	430	430	438	423	429	418	

25%	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.5	25.1	25.1	24.4	25.4	24.8	25.2	
D.O. mg/L Initial	8.6	8.6	8.8	9.0	8.4	8.9	8.8	
pH s.u. Initial	7.8	7.7	7.9	7.9	7.8	8.0	7.9	
Conductivity µS Initial	541	553	558	560	534	540	542	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.7	25.6	25.4	25.4	26.0	24.5	24.7	
D.O. mg/L Final	8.1	8.2	8.3	8.7	8.0	8.4	7.9	
pH s.u. Final	8.1	8.1	7.9	8.2	7.8	8.1	8.3	
Conductivity µS Final	553	567	572	570	553	567	545	

50%	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	NR: not recorded
Temp °C Initial	24.6	25.2	25.1	24.4	25.4	24.6	25.2	
D.O. mg/L Initial	8.9	8.7	8.8	9.0	8.6	9.0	8.7	
pH s.u. Initial	7.8	7.8	7.9	7.9	7.9	7.9	7.9	
Conductivity µS Initial	NR	796	788	791	790	780	791	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.7	25.6	25.4	25.5	26.0	24.5	24.5	
D.O. mg/L Final	8.1	8.2	8.3	8.6	8.0	8.4	8.0	
pH s.u. Final	8.2	8.2	8.0	8.2	7.9	8.1	8.4	
Conductivity µS Final	803	825	807	816	849	823	816	

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:			6/20/25 TIME:	1033

100%	1	2	3	4	5	6	7	Remarks
Tech Initials Initial	LP/PD	PD	TS	ME	AW	TS	AW	
Temp °C Initial	24.7	25.2	25.2	24.4	25.4	24.5	25.1	
D.O. mg/L Initial	9.6	8.8	8.9	9.0	9.0	9.4	8.9	
pH s.u. Initial	7.8	7.8	7.9	8.0	7.8	7.9	7.9	
Conductivity µS Initial	1,267	1,277	1,279	1,267	1,286	1,277	1,301	
Tech Initials Final	PD	TS	AW	AW	WB	WB	MV/DB	
Temp °C Final	25.7	25.6	25.4	25.5	26.0	24.6	24.3	
D.O. mg/L Final	8.0	8.2	8.2	8.5	8.0	8.4	8.3	
pH s.u. Final	8.3	8.3	8.2	8.3	8.0	8.3	8.5	
Conductivity µS Final	1,287	1,316	1,284	1,303	1,312	1,348	1,291	

	1	2	3	4	5	6	7	Remarks
Tech Initials Initial								
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# 25-1223

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
																		REPS	
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								
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 26 Lot # Cd25 (RMH 154) A

Brood mother source: RMH 143 A(Source's brood size: ~~A+~~ (Qty.) West Valley 6/20/25

Tech	CG	CG	AJ	CG	DB		KO	AJ		CG	AK 6/16	~~CG~~	CG			
Date	6/9	6/10	6/11	6/12	6-13	SAT.	6/15	6/16		6/17	6/18	~~6/19~~	6/20			
Day	0	1	2	3	4	5	6	7		8	9	10	11	12	13	14
Cup #	Beaker		Tray													
1	N	N	N	N	8		19	Y	1	Y	N	Y	T1 Y22			
2	N	N	N	N	6		17	Y	2	T1 Y23	Y	N	T2 Y20			
3	N	N	N	N	7		15	Y	3	T2 Y24	N	Y	T3 Y26			
4	N	N	N	N	6		16	Y	4	T3 Y26	N	Y	T4 Y24			
5	N	N	N	N	7		14	Y	5	T4 Y20	N	Y	T5 Y19			
6	N	N	N	N	6		15	Y	6	T5 Y19	N	Y	T6 Y22			
7	N	N	N	N	9		16	Y	7	T6 Y20	N	Y	T7 Y19			
8	N	N	N	N	7		14	Y	8	T2 Y15	N	Y	T8 Y20			
9	N	N	N	N	8		15	Y	9	T8 Y24	N	Y	T9 Y30			
10	N	N	N	N	6		14	Y	10	T9 Y18	N	Y	T10 Y26			
11	N	N	N	N	6		16	Y	11	T10 Y16	N	N	Y			
12	N	N	N	N	7		13	Y	12	Y	N	Y	Y			
13	N	N	N	N	7		17	Y	13	Y	N	Y	Y			
14	N	N	N	N	6		24	N	14	Y	N	N	Y			
15	N	N	N	N	7		16	Y	15	Y	Y	N	Y			
16	N	N	N	N	6		14	Y	16	Y	Y	N	Y			
17	N	N	N	N	8		24	N	17	Y	Y	N	Y			
18	N	N	N	N	8		24	N	18	Y	Y	N	Y			

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
44238	T		Y	6/16/25 @1650 → 6/16/25 @1745	6/17/25 @1220
44240	T		Y	6/19/25 @1630 → 6/19/25 @1730	6/20/25 @1005
	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	6/20/25		6/24/25			
SAMPLE TYPE:	EFF #1	BROOK #1	EFF #2	BROOK #2		
COC #	C45-3373	C45-3374	C45-3399	C45-3400		
pH (SU)	7.8	7.8	7.5	7.6		
Temperature (^{o}C)	0.6	0.9	0.7	1.1		
Dissolved Oxygen (mg/L)	10.7	9.3	11.5	9.3		
Conductivity (µmhos)	1,294	315	1,315	300		
Salinity (ppt)	<1	<1	<1	<1		
TRC - DPD (mg/L)	<0.001	0.041	0.028	0.059		
TRC - Amperometric (mg/L)						
Hardness (mg/L as $CaCO_3$)	126	108	128	112		
Alkalinity (mg/l as $CaCO_3$)	183	95	185	97		
Tech Initials	ME	ME	MOR	MOR		

NOTE: NA = NOT APPLICABLE

Data Reviewed By: Kimberly Wills Date Reviewed: 7/14/25

NEW ENGLAND BIOASSAY - CHAIN-OF-CUSTODY

Sample set# 1

EFFLUENT

Sampler: [illegible]

Title:

Facility: West Valley

Sampling Method: X **Composite**

Sample ID: Outfall 001

Start Date: 6/18/25 Time: 1400

End Date: 6/19/25 Time: 1400

Sample Type:

____ Prechlorinated

____ Dechlorinated

____ Unchlorinated

____ Chlorinated

RECEIVING WATER

Sampler: JJZ

Title:

Facility: West Valley

Sampling Method: X Grab

Sample ID: Erdman Brook

Date Collected: 6/19/25

Time Collected: 1345

Received ON ICE

Effluent Sampling Location and Procedures: EM-2 Comp Sample
use NEB water for control / WWERB53 for dilution

Receiving Water Sampling Location and Procedures: EM-2 Grab Sample
receiving water

Requested Analysis: X Chronic and modified acute

Sample Shipment

Method of Shipment: UPS Next Day Air Early

Relinquished By:		Date: 6-19-25	Time: 1430
Received By:	Dan Bruce NEB	Date: 6-20-25	Time: 0747
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: 0.6 °C

Temperature of Receiving Water Upon Receipt at Lab: 0.9 °C

Effluent COC# CUS-3373

Receiving Water COC# CUS-3374

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

CH2M Hill B&W West Valley LLC (CHBWV) 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
Eurofins	CH-007532	WV03.IN.01.01.01.02.01	1542	1	10 Days

OrderID: **250618-01**
Work Order: SP-WetTesting

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

Report Data To: Bob Steiner (716) 481-5793
Chet Wrotniak (716) 982-6403

Location Code	Sample ID	Date	Time	# Cont	Preservative	Tests	Sample Notes
WNSP001	2025-04461	06/19/25	14:00	1	Cool	wet_du_a, wet_du_c,	Receiving water for dilution for water flea. NEB water for control., Initial Sample. WNERB53 will be used for dilution. NEB water for control
WNERB53	2025-04466	06/19/25	13:45	1	None	dil_water,	Receiving water for use in dilutions.

Signature Rel: Date/Time 6-19-25 1500	Signature Rel: Date/Time
Signature Rec: Date/Time Devin Bue NEB 6-20-25 @0747	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

NEW ENGLAND BIOASSAY - CHAIN-OF-CUSTODY

Sample set# 2

Received ON ICE

EFFLUENT

Sampler: JSTEQ

Title:

Facility: West Valley

Sampling Method: X **Composite**

Sample ID: Outfall 001

Start Date: 6-22-25 Time: 0930

End Date: 6-23-25 Time: 0930

Sample Type:

_____ Prechlorinated
_____ Dechlorinated
X Unchlorinated
_____ Chlorinated

RECEIVING WATER

Sampler: JST

Title:

Facility: West Valley

Sampling Method: X Grab

Sample ID: Erdman Brook

Date Collected: 6/23/25

Time Collected: 0900

Effluent Sampling Location and Procedures: Em-2 Comp Sample Refresh water

Receiving Water Sampling Location and Procedures: Em-2 Grab Sample Refresh water

Requested Analysis: X Chronic and modified acute

Sample Shipment

Method of Shipment: UPS Next Day Early AM

Relinquished By:		Date: 6-23-25	Time: 1200
Received By:	NEB	Date: 6/24/25	Time: 0803
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: 0.7 °C

Temperature of Receiving Water Upon Receipt at Lab: 1.1 °C

Effluent COC# C45-3399

Receiving Water COC# C45-3400

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

CH2M Hill B&W West Valley LLC (CHBWV) 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: 250618-01 Work Order: SP-WetTesting
Eurofins	CH-007532	WV03.IN.01.01.01.02.01	1542A	1	10 Days	

Custodian Signature: _____ **C-O-C Reviewed By:** _____ **Report Data To: Chet Wrotniak (716)982-6403**

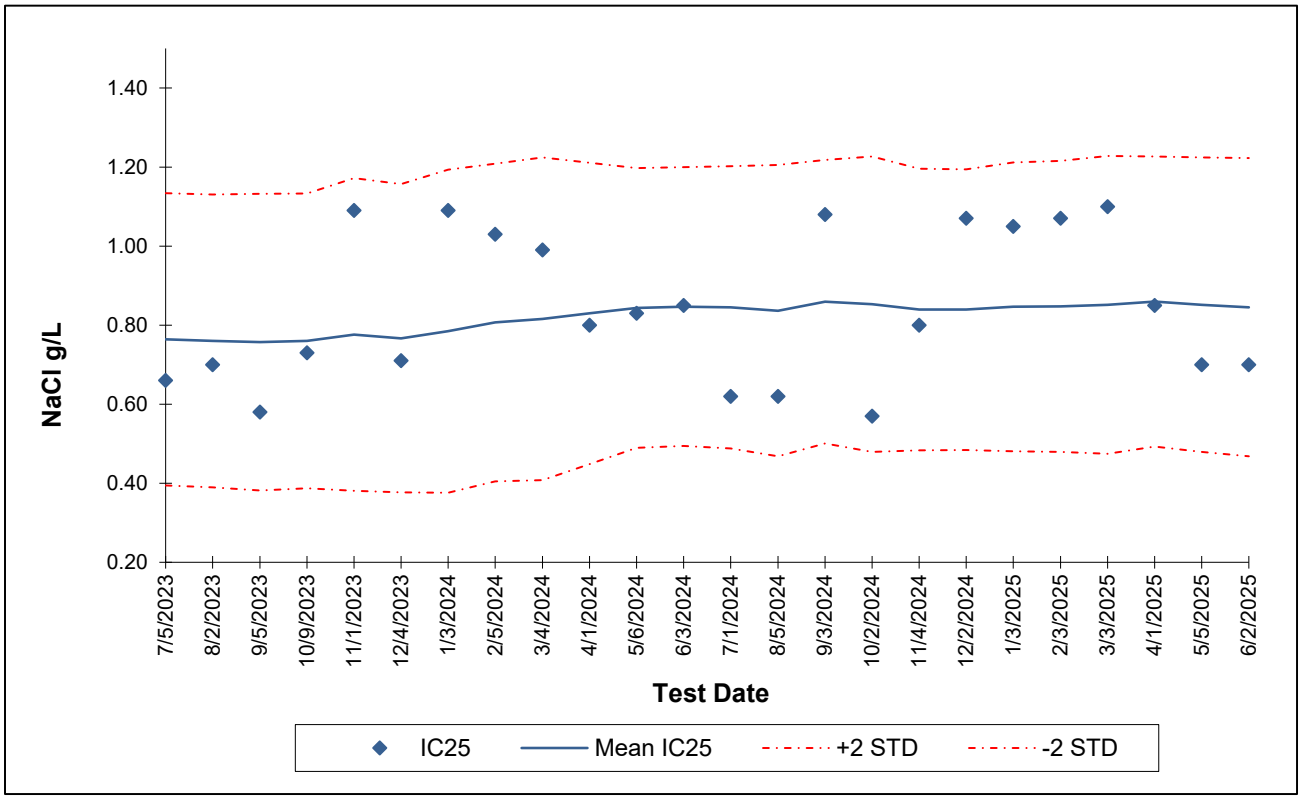
Location Code	Sample ID	Date	Time	# Cont	Preservative	Tests	Sample Notes
WNSP001	2025-04461A	06/23/25	9:30	1	Cool		Refresh Water. WNERB53 will be used for dilution. NEB water for control
WNERB53	2025-04466A	06/23/25	9:00	1	None	dil_water.	Refresh Water. Receiving water for use in dilutions.

Signature Rel: Date/Time 6-23-25 1200	Signature Rel: Date/Time
Signature Rec: Date/Time	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

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 (%)
23-1143	7/5/2023	0.66	0.76	0.18	0.39	1.13	0.24	10.17	16.98
23-1365	8/2/2023	0.70	0.76	0.19	0.39	1.13	0.24	23.03	17.64
23-1691	9/5/2023	0.58	0.76	0.19	0.38	1.13	0.25	7.64	17.28
23-2024	10/9/2023	0.73	0.76	0.19	0.39	1.13	0.25	13.34	17.09
23-2176	11/1/2023	1.09	0.78	0.20	0.38	1.17	0.25	12.89	16.26
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

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%

Attachment D
Email Confirmation from NYSDEC

From: netdmr-notification@epa.gov
To: R9.NetDMR@dec.ny.gov; William Kean; 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: Monday, July 21, 2025 1:31:45 PM

The following signed 8 DMR(s) were submitted to EPA and were successfully processed:

CDX Transaction ID: _c413b598-44ad-4b4f-865d-0af71ac36986
User ID: ELIZABETH.LOWES@CHBWV.COM
Timestamp: 07/21/2025 12:25:35

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: S - OUTFALL 001 SEMI-ANNUAL
Monitoring Period End Date: 06/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 001
Discharge: V - OUTFALL 001 ACTION LEVELS SEMI-ANNUAL
Monitoring Period End Date: 06/30/25

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: 06/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 007
Discharge: W - OUTFALL 007 WET TESTING QUARTERLY
Monitoring Period End Date: 06/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 01B
Discharge: M - MERCURY PRETREATMENT
Monitoring Period End Date: 06/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: 116
Discharge: M - PSEUDO MON. POINT @FRANKS CRK
Monitoring Period End Date: 06/30/25

Permitted Facility Name: WEST VALLEY DEMONSTRATION PROJ
Permit ID: NY0000973
Permitted Feature: SUM
Discharge: N - SUM OF OUTFALLS 1 & 7
Monitoring Period End Date: 06/30/25

Thank you.

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