

Date: August 4, 2025
To: Peter Hays

From: Christopher Prosper

Project: SWTP 2025

Subject: July Monthly Reporting

Doc. No.: 25US0221-3-0

INTRODUCTION

This memorandum contains the requirements for monthly report submittal for the month of July pursuant to point 29 of Section IV (Standards and Requirements) of the project contract.

Section 29

A. <u>EMPLOYEE TRAINING AND EQUIPMENT UPDATES FOR SWTP SPILL RESPONSES</u>

No spills occurred onsite.

B. VOLUME OF WATER TREATED

6476782 gallons

C. CHEMICALS/FILTERS CONSUMED

Filters:

- 28 cartridge filters
- 0 RO membranes

Chemicals:

Caustic (50%): 597 gal
Antiscalant: 166 gal
Barium Chloride: 125 lbs

D. VOLUME OF BRINE RETURNED TO THE MINE POOL

4452939 gallons

E. MAINTENANCE PERFORMED

- Cartridge filter changed out in RO #1 Cartridge filters
- Repaired PVC leak in IX Vessel #3 (Item B29)
- Replaced shim rings in vessel 6, RO #2 and added shim rings to vessels 4 and 5.
- Replaced gasket on end cap of RO #2 vessel 5
- Removed old ORC from Net DMR



- TSS auto sampler
- Replaced valves on top of the cartridge filter housing (3 of 4 valves)
- Replaced leaking antiscalant valve
- Fixed leak on pressure transmitter between RO and IX
- Replaced gasket on discharge side of RO #2 antiscalant pump
- Sent cartridge filter samples to the lab for analysis
- Permeate flushed RO#1 with RO#2 permeate
- Installed POE extender to finish installation of Hardwired electrical and data connections to Mine Pool Transducer PLC (Item B34)
- Replaced antiscalant dosing line for RO#2

F. SAMPLING RESULTS AND QA/QC SUMMARY

Attached as Attachment 1. Some analytes have a turnaround time of 20 days. To avoid piece meal reporting and maintain consistency over the life of the project, results will be reported as the summary of the previous month.

G. PROBLEMS ENCOUNTERED AND RESOLUTION

Table 1 Problems and Resolutions

Problems Encountered	Resolution
Leaking Oil from RO#1 High Pressure Pump	Approached multiple pump contractors to come onsite to perform the pump maintenance and replacement of the seal in the pump. Once the issue is resolved, RO#1 will require a CIP.

H. Recommendations

There are no additional recommendations at this time.

Enclosures:

Attachment 1 June DMR and SW submittal

Attachment 2 Daily Reports

END



ATTACHMENT 1 JUNE DMR AND SW SUBMITTAL



Permits and Enforcement Section Water Quality Control Division CPDHE 4300 Cherry Creek Dr. South Denver, CO 80246-1530 07/27/2025 25US0221

Re: Discharge Monitoring Report for June 2024 Schwartzwalder Mine CO0001244

TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

During the month of June 2025, there was an exceedance for Total Recoverable arsenic at Outfall 001A. Section 7 of *Amendment Number One to Compliance Order on Consent, Number: IC-150123-1*, amended the Total Recoverable arsenic value to "Report" for the 30-day average. As a new permit has not been issued and discussions with the State indicated no deviation from the "Report" only at this time.

A WET test was taken in June. This resulted in a pass.

Best regards, Linkan

Patale Daly

Patrick M. Delaney Operator Responsible in Charge (ORC) Black Fox Mining, LLC



Enclosures:

June 2025 DMR Submittal 2nd Quarter 2025 TDS Submittal 2nd Quarter 2025 WET Test Submittal

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
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DMR Copy of Record

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Permit					
Permit #:	CO0001244	Permittee:	Colo Div of Reclamation, Mining and Safety	Facility:	SCHWARTZWALDER MINE
Major:	No	Permittee Address:	1001 E 62 Ave Room 215 Denver, CO 80216		8300 GLENCOE VALLEY RD GOLDEN, CO 80402
	001 External Outfall	Discharge:	001-A WWTF Discharge to Ralston Creek		
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 Completio	n				
Oil and grease - see I.A.2, page 3. And	tidegradation limits - see C.2, page 7.				
Principal Executive Officer					
First Name:		Title:		Telephone:	
Last Name:					
No Data Indicator (NODI)					
Form NODI:					

	Parameter	Monitoring	Season				Qı	uantity or L	.oading					Quality or	Concentr			# of	Frequency of	Sample Type
Code	Name	Location	#	NODI		Qualifier	Value 1		Value 2	Units		Value 1	Qualifie	r Value 2	Qualifie	er Value 3 U	Units	Ex.	Analysis	
00340	Oxygen demand, chem. [high level] [COD]	1 - Effluent Gross	0		Sample Permit Req. Value NODI	1		2			1		< <=	5.0 100.0 30DA AVG	< <= <=		ng/L		01/07 - Weekly 01/07 - Weekly	CP - Composite CP - Composite
00400	рН	1 - Effluent Gross	0		Sample Permit Req. Value NODI							7.1 6.5 MINIMUM			= <=		2 - SU 2 - SU	0	05/WK - Five Per Week 05/WK - Five Per Week	GR - Grab
00530	Solids, total suspended	1 - Effluent Gross	0		Permit Req. Value NODI									10.0 20.0 30DA AVG	<=	20 0 DAILY MY	ng/L	0	03/07 - Three Per Week 03/07 - Three Per Week	CP - Composite CP - Composite
00718	Cyanide, weak acid, dissociable	1 - Effluent Gross	0		Sample Permit Req. Value NODI										<=	5 O DAILY MY	8 - g/L 8 - g/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
00718	Cyanide, weak acid, dissociable	P - See Comments	0		Sample Permit Req. Value NODI								<=	0.75 ROLL AVG B - Below Detection Limit/No Detection		28 ug	8 - g/L		02/30 - Twice Per Month	CP - Composite
00940	Chloride [as Cl]	1 - Effluent Gross	0		Permit Req. Value NODI								<=	1.0 250.0 30DA AVG			9 - ng/L 9 - ng/L	0	02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
		P - See			Sample Permit								=	0.74			9 - ng/L 9 -		02/30 - Twice Per Month 02/30 - Twice Per	CP - Composite

00940	Chloride [as CI]	Comments	0	 Req. Value	<=	54.0 ROLL AVG		mg/L () Month	CP - Compos
				NODI				10	02/20 Twice Per	
				Sample	=	3.0		19 - mg/L	02/30 - Twice Per Month	CP - Compos
00945	Sulfate, total [as SO4]	1 - Effluent Gross	0	 Permit Req.	<=	250.0 30DA AVG		19 - mg/L	02/30 - Twice Per Month	CP - Compos
				Value NODI						
				Sample	=	5.72		19 - mg/L	02/30 - Twice Per Month	CP - Composi
00945	Sulfate, total [as SO4]	P - See Comments	0	 Permit Req.	<=	131.0 ROLL AVG		19 - mg/L	02/30 - Twice Per Month	CP - Compos
				Value NODI						
				Sample			< 0.1	19 - mg/L	02/30 - Twice Per Month	CP - Compos
00949	Fluoride	1 - Effluent Gross	0	 Permit Req.			<= 2.0 DAILY MX	19 - mg/L	02/30 - Twice Per Month	CP - Compos
				Value NODI						
				Sample	=	108.0		28 - ug/L	02/30 - Twice Per Month	CP - Compos
K	Arsenic, total recoverable	1 - Effluent Gross	0	 Permit Req.	<=	0.02 30DA AVG		28 - ug/L	02/30 - Twice Per Month	CP - Compos
00978		GIOSS		Value NODI				ug/L	World	
				Sample	=	20.0		28 - ug/L	02/30 - Twice Per	CP - Composi
0980	Iron, total recoverable	1 - Effluent	0	 Permit		Req Mon 30DA AVG		ug/L 28 - ug/L	Month 02/30 - Twice Per	CP - Compos
,0000	iion, total rosevolusie	Gross		Req. Value				ug/L	Month	o. compos
				NODI Sample	_	5.0		28 -	02/30 - Twice Per	CP - Compos
0000	lean total recoverable	P - See		Permit	=	Req Mon ROLL AVG		ug/L 28 -	Month	CP - Compos
0980	Iron, total recoverable	Comments	0	 Req. Value		Req MOII ROLL AVG		ug/L	Month	CP - Compos
				NODI				19 -	02/30 - Twice Per	
		1 - Effluent		Sample Permit	=	0.175		mg/L	Month	CP - Compos
1022	Boron, total [as B]	Gross	0	 Req. Value	<=	0.46 30DA AVG		mg/L	Month	CP - Composi
				NODI				20	02/20 Twice Dev	
		4 5#		Sample	<	20.0		28 - ug/L	02/30 - Twice Per Month	CP - Composi
1046	Iron, dissolved [as Fe]	1 - Effluent Gross	0	 Permit Req.	<=	300.0 30DA AVG		28 - ug/L	02/30 - Twice Per Month	CP - Composi
				Value NODI						
				Sample Permit		45.0 ROLL AVG		28 -	02/30 - Twice Per	CP - Composi
1046	Iron, dissolved [as Fe]	P - See Comments	0	 Req.	<=	B - Below Detection Limit/No		ug/L	Month	CP - Composi
				NODI		Detection				
				Sample	<	1.0		28 - ug/L	02/30 - Twice Per Month	CP - Composi
1056	Manganese, dissolved [as Mn]	1 - Effluent Gross	0	 Permit Req.	<=	50.0 30DA AVG		28 - ug/L	02/30 - Twice Per Month	CP - Composi
				Value NODI						
				Sample	=	0.3		28 - ug/L	02/30 - Twice Per Month	CP - Composi
1056	Manganese, dissolved [as Mn]	P - See Comments	0	 Permit Req.	<=	7.5 ROLL AVG		28 - ug/L	02/30 - Twice Per Month	CP - Composi
		Commonto		Value NODI				-9-		
				Sample						
1059	Thallium, total [as TI]	1 - Effluent	0	 Permit Req.	<=	0.24 30DA AVG		28 - ug/L	02/30 - Twice Per Month	CP - Composi
		Gross		Value NODI		B - Below Detection Limit/No Detection				
				Sample	<	1.0		28 -	02/30 - Twice Per	CP - Composi
1097	Antimony, total [as Sb]	1 - Effluent	0	 Permit	<=	5.6 30DA AVG		ug/L 28 -	Month 02/30 - Twice Per	CP - Composi
		Gross	J	Req. Value	\			ug/L	Month	c. composi
				NODI				28 -	02/30 - Twice Per	

01220	Chromium, hexavalent dissolved [as Cr]	1 - Effluent Gross	0	 Sample Permit Req. Value	<	10.0 - Req Mon 30DA AVG	Req Mon DAILY MX	ug/L 28 - ug/L	0	Month 02/30 - Twice Per Month	CP - Composite
01303	Zinc, potentially dissolved	1 - Effluent Gross	0	 NODI Sample Permit Req. Value NODI	<	10.0 Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01303	Zinc, potentially dissolved	P - See Comments	0	 Sample Permit Req. Value NODI		15.4 Req Mon ROLL AVG		28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01304	Silver, potentially dissolved	1 - Effluent Gross	0	 Sample Permit Req. Value NODI			c 0.04 c= 3.5 DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01304	Silver, potentially dissolved	P - See Comments	0	 Sample Permit Req. Value NODI	<=	0.02 ROLL AVG B - Below Detection Limit/No Detection		28 - ug/L	-	02/30 - Twice Per Month	CP - Composite
01306	Copper, potentially dissolved	1 - Effluent Gross	0	 Permit Req. Value NODI	<=		0.5 = 18.0 DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01306	Copper, potentially dissolved	P - See Comments	0	 Permit Req. Value NODI		0.09 1.8 ROLL AVG		28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
01313	Cadmium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req. Value NODI		1.0 Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite
01322	Nickel, potentially dissolvd	1 - Effluent Gross	0	 Permit Req. Value NODI		5.0 - Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01322	Nickel, potentially dissolvd	P - See Comments	0	 Permit Req. Value NODI		8.0 Req Mon ROLL AVG		28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01323	Selenium, potentially dissolvd	1 - Effluent Gross	0	 Permit Req. Value NODI		1.0 - Req Mon 30DA AVG	Req Mon DAILY MX	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
01323	Selenium, potentially dissolvd	P - See Comments	0	 Permit Req. Value NODI		1.0 Req Mon ROLL AVG		28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite
03582	Oil and grease	1 - Effluent Gross	0	 Sample Permit Req. Value NODI			 10.0 INST MAX 9 - Conditional Monitoring - Not Required Thi Period 	19 - mg/L	-	77/77 - Contingent	GR - Grab
04262	Chromium, trivalent total recoverable	1 - Effluent Gross	0	 Permit Req. Value			t	28 - ug/L 28 - ug/L		02/30 - Twice Per Month 02/30 - Twice Per Month	CP - Composite CP - Composite

				NODI												
				Sample												
04262	Chromium, trivalent total	P - See	0	 Permit Req.					<=	7.5 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
04202	recoverable	Comments		Value NODI						B - Below Detection Limit/No Detection						
				Sample					=	0.055	=	0.1	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
09501	Radium 226, total	1 - Effluent Gross	0	 Permit Req.					<=	10.0 30DA AVG	<=	30.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					=	0.04	=	0.05	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
09503	Radium 226, dissolved	1 - Effluent Gross	0	 Permit Req.					<=	3.0 30DA AVG	<=	10.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					=	0.7			17 - pCi/L		02/30 - Twice Per Month	CP - Composite
11503	Radium 226 + radium 228, total	1 - Effluent Gross	0	 Permit Req.					<=	5.0 30DA AVG			17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					=	6.85			28 - ug/L		02/30 - Twice Per Month	CP - Composite
22708	Uranium, total	1 - Effluent Gross	0	 Permit Req.					<=	30.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					=	10.23			28 - ug/L		02/30 - Twice Per Month	CP - Composite
22708	Uranium, total	P - See Comments	0	 Permit Req.					<=	22.0 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample	= 0.124272	=	0.153792	03 - MGD							99/99 - Continuous	RC - Recorder (auto)
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	 Req.	<= 0.288 30DA AVG		Req Mon DAILY MX	03 - MGD						0	99/99 - Continuous	RC - Recorder (auto)
				Value NODI												
				Sample					<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
51202	Sulfide-hydrogen sulfide [undissociated]	1 - Effluent Gross	0	 Permit Req.						Req Mon 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
51202	Sulfide-hydrogen sulfide [undissociated]	P - See Comments	0	 Permit Req.						Req Mon ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample					<	0.1			28 - ug/L		02/30 - Twice Per Month	CP - Composite
71900	Mercury, total [as Hg]	1 - Effluent Gross	0	 Permit Req.						Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
				Value NODI												
				Sample			0.0	9P - N=0;Y=1							05/WK - Five Per Week	VI - Visual
84066	Oil and grease visual	1 - Effluent Gross	0	 Permit Req.			Req Mon INST MAX	9P - N=0;Y=1						0	05/WK - Five Per Week	VI - Visual
				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

	Parameter	Monitoring Location	Field	Type	Description	Acknowledge
Code	Name	Monitoring Location	Field	Туре	Description	Ackilowieuge
00978	Arsenic, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Name	Туре	Size
2025_06_Schwartzwalder_Outfall_001A_Cover_Letter.pdf	pdf	242956.0
2025_06_Schwartzwalder_Outfall_001A_Results_5.pdf	pdf	1472451.0
2025_06_Schwartzwalder_Outfall_001A_Results_3.pdf	pdf	1301687.0
2025_06_Schwartzwalder_Outfall_001A_Results_2.pdf	pdf	2254684.0
2025_06_Schwartzwalder_Outfall_001A_Results_1.pdf	pdf	1879474.0
2025_06_Schwartzwalder_Outfall_001A_Results_4.pdf	pdf	2003147.0
2025_06_Schwartzwalder_Outfall_001A_Results_7.pdf	pdf	1777458.0
2025_06_Schwartzwalder_Outfall_001A_Results_6.pdf	pdf	1741625.0
Report Last Saved By		

Colo Div of Reclamation, Mining and Safety

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2025-07-28 18:08 (Time Zone: -06:00)

Report Last Signed By

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2025-07-28 18:14 (Time Zone: -06:00)

ANALYTICAL SUMMARY REPORT

June 19, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25060769 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 6/9/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Date	Matrix	Test
B25060769-001	Outfall 001A	06/05/25 13:22 06/09/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000
B25060769-002	Outfall 001A	06/05/25 13:22 06/09/25	Aqueous	Solids, Total Suspended
B25060769-003	Outfall 001A	06/06/25 14:04 06/09/25	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

B25060769

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Revised Date: 06/19/25 **Report Date:** 06/17/25

CASE NARRATIVE

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

"J" qualified analyte concentrations are below the laboratory minimum recommended Reporting Limit (RL) and above the calculated method detection limit (MDL). The laboratory reporting limits are based on the lowest calibration standard for the method and are set at levels which can be reliably quantitated. Metals reporting limits are based on the MDL and through examination of blank performance. MDL's are statistically calculated values determined through analysis of a clean sample matrix.

Inorganic analytes reported with "J" qualifiers should be verified against the corresponding method blank. Inorganic "J" quantitations near the MDL may be suspect due to possible method background levels, sample matrix effects, and/or daily variability in instrument signal-to-noise levels.

Revised Date: 6/19/2025

Work Order:

Revised Sample(s): Outfall 001A (B25060769-001)

On 6/19/25 a request was received from Chris Prosper at Linkan Engineering to revise this workorder by updating the following:

Project ID changed from Not Indicated to Schwartzwalder Mine

B25060769-001 sample ID changed from COD Outfall to Outfall 001A B25060769-002 sample ID changed from TSS Outfall-1 to Outfall 001A B25060769-003 sample ID changed from TSS Outfall-2 to Outfall 001A.

The collection time for B25060769-001 and B25060769-002 has been updated from 07:22 to 13:22.

The collection date for B25060769-003 has been updated from 06/05/25 to 06/06/25 (indicated on the COC).

The report has been revised and replaces the previously issued report dated 6/17/2025 in its entirety.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25060769-001
Client Sample ID: Outfall 001A

Revised Date: 06/19/25
Report Date: 06/17/25
Collection Date: 06/05/25 13:22
DateReceived: 06/09/25

Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	06/11/25 12:54 / jaw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering Schwartzwalder Mine Project: B25060769-002 Lab ID: Client Sample ID: Outfall 001A

Revised Date: 06/19/25 **Report Date:** 06/17/25 Collection Date: 06/05/25 13:22 DateReceived: 06/09/25

Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	0.8 mg/L	J	10	A2540 D	06/09/25 13:35 / pjw

Report RL - Analyte Reporting Limit Definitions: QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL)

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25060769-003
Client Sample ID: Outfall 001A

Revised Date: 06/19/25
Report Date: 06/17/25
Collection Date: 06/06/25 14:04
DateReceived: 06/09/25

Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	0.7 mg/L	J	10	A2540 D	06/09/25 13:35 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25060769 Report Date: 06/16/25

Analyte Con	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							I	Batch: TSS20	0250609A
Lab ID: MBLK_20250609-2	Method Blank				Run: BAL #	30_250609A		06/09/	/25 09:43
Solids, Total Suspended TSS @ 105 (C ND	mg/L	0.6						
Lab ID: LCS_20250609-2	Laboratory Cor	ntrol Sample			Run: BAL #	30_250609A		06/09/	/25 09:43
Solids, Total Suspended TSS @ 105	C 105	mg/L	25	105	80	120			
Lab ID: B25060753-001BDUP	Sample Duplic	ate			Run: BAL #	30_250609A		06/09/	/25 13:35
Solids, Total Suspended TSS @ 105	2 46.4	mg/L	10				7.1	10	



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25060769						Repo	ort Date:	06/16/25	
Analyte	Count Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Batc	h: 200493
Lab ID: MB-200493	Method Blank				Run: SPEC	3_250611C		06/11/	25 12:54
Oxygen Demand, Chemical (COD	D) ND	mg/L	3						
Lab ID: LCS-200493	Laboratory Co	ntrol Sample			Run: SPEC	3_250611C		06/11/	25 12:54
Oxygen Demand, Chemical (COD	23.8	mg/L	5.0	97	90	110			
Lab ID: B25060789-001DMS	Sample Matrix	Spike			Run: SPEC	3_250611C		06/11/	25 12:54
Oxygen Demand, Chemical (COD) 139	mg/L	10	98	90	110			
Lab ID: B25060789-001DMSE	Sample Matrix	Spike Duplicate			Run: SPEC	3_250611C		06/11/	25 12:54
Oxygen Demand, Chemical (COD	D) 140	mg/L	10	100	90	110	0.7	10	

Login completed by: Natasha L. Anthony

Work Order Receipt Checklist

Linkan Engineering

B25060769

Date Received: 6/9/2025

3 1 1 1 1 1 1 1 1 1 1				
Reviewed by:	cjones		R	eceived by: EAH
Reviewed Date:	6/16/2025		Ca	arrier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes 🗹	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌	
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌	
Samples in proper container/	bottle?	Yes ✓	No 🗌	
Sample containers intact?		Yes ✓	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌	
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Su	onsidered field parameters	Yes ✓	No 🗌	
Temp Blank received in all sl	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	13.9°C Blue Ice		
Containers requiring zero her bubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted ✓
Water - pH acceptable upon	receipt?	Yes 🗹	No 🗌	Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Chain of Custody & Analytical Request Record

www.energylab.com

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Page

Account Information (Billing Information)	Billing Information)		Repo	ort Inform	ation (if differ	Report Information (if different than Account Information)	Comments	
Company/Name	Linkon		Compa	Company/Name	L/nkon		755C PUL	0 - Weekly warmer
Contact Chrl3 A	2,05per		Contact		Klex Schw	Schwiebert	Desmo en	nall Report
Phone 775-7	008-, 22	3	Phone	,,	275-39	7-6779	and Elle	gralleto:
Mailing Address 2730	Ruly VI	sta Mi	Mailing	Mailing Address	2730	Ruly Vista Dr	W/W	on of a linken com
City, State, Zip	W 1898	201	City, S	City, State, Zip	Elko	W 84801	char. Charles	lette linken, com
Email AP@/	inkanocom	7	Email		,		der, sind	D. Thetacouds
Receive Invoice □Hard Copy ■	Email Receive Rep	☐Hard Copy 如Email Receive Report ☐Hard Copy ☐Email	=	Receive Report	ard Copy DEmail	ail	pour hays	
Purchase Order Quote	Quote 17287	Bottle Order 187916	Special	Special Report/Formats:	Q AC	國 EDD/EDT (contact laboratory) □ Other	5	
Project Information				Matrix Codes	Se	Analysis Requested	ted	
Project Name, PWSID, Permit, etc.	tc.			A- Air				All turnaround times are standard unless marked as
Sampler Name	Sampler Phone	Phone		W- Water				RUSH.
Sample Origin State	EPA/Stat	EPA/State Compliance	oN 🗆	Solids V - Vegetation	u u		р	
URANIUM MINING CLIENTS MUST Indicate sample type ☐ Unprocessed Ore ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING	UST Indicate sample	type RE SENDING		B - Bioassay O - Oil DW - Drinking	Á8	P	Attache	charges and scheduling –
☐ 11(e)2 Byproduct Material (Ca	an ONL'T be Submitted	Collection		11	trix		99	Hallo
(Name, Location, Interval, etc.)	Interval, etc.)	Date	ime	Containers (See	(See Codes Above)		S	TAT Laboratory Use Only
1 COJ - Outlall	0	06/05/25 07	T. Jan	1	Cal			212000212
2 755 - Outill -	1	06/05/74 0%	titt min	1	735		1/1	
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ELI is REQUIRED to Custody Relinquished by fprint)	D to provide prese	Date/Time	f the preser	ervatives sup	pplied with the t	If the preservatives supplied with the bottle order were NOT used, please attach your preservative Information with this COC. Signature Signature	attach your preservative ir Date/Time	nformation with this COC. Signature
	of Jana poet		1	4/10)	December of the Indicated (print)		1111
MUST Relinquished by (print) be slaned	(print)	Date/Time	Signature	<u> </u>		Elizabeth Lotton	06/09/125 1040	NICONTANTON NO.

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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LABORATORY USE ONLY on loo N

Shipped By

ANALYTICAL SUMMARY REPORT

June 23, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061225 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 6/12/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25061225-001	Outfall 001A	06/09/25 14:16	06/12/25	Aqueous	Solids, Total Suspended
B25061225-002	Outfall 001A	06/11/25 14:50	06/12/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/23/25Project:Schwartzwalder MineCollection Date:06/09/25 14:16Lab ID:B25061225-001DateReceived:06/12/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/13/25 09:44 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/23/25Project:Schwartzwalder MineCollection Date:06/11/25 14:50Lab ID:B25061225-002DateReceived:06/12/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Uni	ts Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/	L	10	A2540 D	06/13/25 09:44 / pjw
Solids, Total Dissolved TDS @ 180 C	92 mg/	L	20	A2540 C	06/13/25 14:10 / etv
AGGREGATE ORGANICS					
Oxygen Demand, Chemical (COD)	ND mg/	L	5	E410.4	06/13/25 15:12 / fap

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061225					Repo	rt Date:	06/23/25	
Analyte Cou	ınt Result l	Units RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C						E	Batch: TDS20	0250613C
Lab ID: MBLK_20250613-6	Method Blank			Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	ND	mg/L 20						
Lab ID: LCS_20250613-4	Laboratory Contro	ol Sample		Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	929	mg/L 25	93	90	110			
Lab ID: B25061181-001ADUP	Sample Duplicate	e		Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	517	mg/L 25				0.6	10	



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061225 Report Date: 06/23/25

Analyte Cou	ınt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							į.	Batch: TSS20	0250613A
Lab ID: MBLK_20250613-4	Method Blank				Run: BAL #	30_250613B		06/13/	/25 09:42
Solids, Total Suspended TSS @ 105 0	ND ND	mg/L	0.6						
Lab ID: LCS_20250613-2	Laboratory Cor	ntrol Sample			Run: BAL #	30_250613B		06/13/	25 09:43
Solids, Total Suspended TSS @ 105 0	102	mg/L	25	102	80	120			
Lab ID: B25061153-001BDUP	Sample Duplica	ate			Run: BAL #	30_250613B		06/13/	25 09:44
Solids, Total Suspended TSS @ 105 0	14.0	mg/L	10				9.3	10	

Work Order: B25061225

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Report Date: 06/23/25

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical F	Run: SPEC3	_250613B
Lab ID: CCV-200579	Cor	ntinuing Cal	ibration Verificat	ion Standar	d				06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	51.1	mg/L	5.0	102	90	110			
Method: E410.4									Batc	h: 200579
Lab ID: MB-200579	Me	thod Blank				Run: SPEC	3_250613B		06/13	/25 15:11
Oxygen Demand, Chem	ical (COD)	ND	mg/L	3						
Lab ID: LCS-200579	Lab	oratory Cor	ntrol Sample			Run: SPEC	3_250613B		06/13	/25 15:11
Oxygen Demand, Chem	ical (COD)	23.9	mg/L	5.0	98	90	110			
Lab ID: B25061225-	002CMS Sar	mple Matrix	Spike			Run: SPEC	3_250613B		06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	23.6	mg/L	5.0	97	90	110			
Lab ID: B25061225-	DO2CMSD Sar	mple Matrix	Spike Duplicate			Run: SPEC	3_250613B		06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	23.3	mg/L	5.0	95	90	110	1.4	10	

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Leslie S. Cadreau

B25061225

Date Received: 6/12/2025

Reviewed by:	cindy		R	eceived by: SRG	
Reviewed Date:	6/21/2025		Ca	arrier name: Return-FedEx NDA	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🗹	No 🗌		
Chain of custody signed whe	n relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌		
Samples in proper container/	bottle?	Yes ✓	No 🗌		
Sample containers intact?		Yes ✓	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	5.6°C Blue Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted 🗸	
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY (EABORATORIES) INST OUR People, Trust our People.

Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Company/Name Linkan									(manufacture and manufacture a	1100				
	Linkan			ŏ	Company/Name Linkan	ne Linkan					Outfall	001A - W	Outfall 001A - Weekly Sample	
Contact	Chris Prosper			ŏ	Contact	Alex S	Alex Schwiebert	ب			700+	thall 20	+OuthalloolA - Buarterly TDS	Herdy TDC
Phone	775-777-8003			Ā	Phone	775-397-6779	7-6779						\$	2
Mailing Address	2720 Ruby Vista Dr	4		N	Mailing Address		2720 Ruby Vista	a Dr			Please	email Re	Please email Report and EDD results to:	results to:
City, State, Zip	Elko, NV 89801			Ö	City, State, Zip	200	Elko, NV 89801				chris.pi	osper@li	chris.prosper@linkan.com	
Email	AP@linkan.com			Ē	Email	see co	see comments				adam.t	adam.billin@linkan.com alex schwiehert@linkan	adam.billin@linkan.com	
Receive Invoice	□Hard Copy ■Email Receive Report □Hard Copy ■Email	Receive Repo	ort □Hard Copy		eceive Repo	Receive Report	opy TEm	7			peter.h	peter.havs@state.co.us	e.co.us	
Purchase Order 25-0152	Quote H17287		Bottle Order	\chi_2 \chi_2	Special Report/Formats: ☐ LEVEL IV ☐NELAC	AC	EDD/ED	(contact labor	■ EDD/EDT (contact laboratory) □ Other	Je.	Times	es pe	percentaling	112 Sup/12
Project Information	ormation		+193743	13	Matrix	Matrix Codes			Analys	Analysis Requested	ted			
Project Name, PV	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	artzwalder	r Mine		Ā	Air	S						All turns	All turnaround times are standard unless marked as
Sampler Name	Burent trained	Sampler Phone		7/238/6169	\$ 0	Water Soils/	bilo	P					1	RUSH.
Sample Origin State Colorado	tate Colorado	-	EPA/State Compliance	■ Yes □ No		Solids Vegetation								Energy Laboratories MUST be contacted prior to
URANIUM MININ ☐ Unprocessed (☐ Processed Ore ☐ 11(e)2 Byprodu	URANIUM MINING CLIENTS MUST indicate sample type ☐ Unprocessed Ore ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING ☐ 11(e)2 Byproduct Material (Can ONL'Y be Submitted to ELI Casper Location)	ate sample t	ype E SENDING to ELI Casper Lo	cation)	B - O - DW -	Bioassay Oil Drinking Water	puədsng	iical Oxyg ind j Dissa jbild	Chart			,oqoc ₄₁ v	RUSH sa charges charges See In	RUSH sample submittal for charges and scheduling – See Instructions Page
S	Sample Identification (Name, Location, Interval, etc.)	Ē~	Co	Collection e Time	Number of Containers	Matrix (See Codes Above)		Dems				005	RUSH TAT	ELI LAB ID Laboratory Use Only
1 Outfall 001A	1A		52/6/9	14.16	-	2	X						828	52219925
2 Outfall 001A	1A		82/11/9	ashi s	2	10/	×	×						
3 Outfall 001A	1A		92/11/9	7	1	3		×						
4			6	L	121/00	25								
5)								_		
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	ELI is REQUIRED to provide preservative traceability. If the	ride preser	vative traceab	vility. If the pr	preservative	s supplied	with the b	Beceived by (print)	vere NOT L	sed, please	attach your p	reservative	s preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.	this COC.
	Bryent Heur		(1/0/75		A A A A A A A A A A A A A A A A A A A	4		received by	(build)		Date/ IIIIe		Signature	
MUST be signed	Relinquished by (print)		Date/Time	Sis	Signatur			Received	Received by Laboratory Corini	S	O NA	7 10,35	Signature	
						LABORA	LABORATORY USE ONLY	ONLY		STATE OF STREET	1.0	Description of the last of the		
Shipped By	Cooler ID(s) C	Custody Seals Y N C B	ls Intact B Y N	Receipt Te	Temp Temi	Femp Blank Y N	On Ice ≺	20	Payment Type Cash Check	nent Type Check	Amount \$		Receipt Number (cash/check only)	h/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Trust our People. Trust our Data.



BOTTLE ORDER 193743

To report an issue with this order, view Safety	Data Sheets, or let us know how we are doing,	scan here or go to energylab.com/contact-us
Linkan Engineering		
SHIPPED	ĽŌ:	

Chris Prosper

400 Corporate Circle, Suite H Golden CO 80401

Contact:

(719) 247-0564

Phone:

Project:

Schwartzwalder Mine - Outfal

)	Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us
	Order Created by: Yvonna E. Smith
H	Shipped From: Billings, MT
	Ship Date: 4/17/2025
	VIA: Ground
all 001A Quarterly	Quote Used: 17287

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							jo
Bottle Size/Type	Samo	Method	T S S S S S S S S S S S S S S S S S S S	Time	Preservative	Notes	Samp
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Outfall 001 A Duarterly	rtorly						

Dutfall 001A Quarterly	terly		
Liter Plastic	1 A2540 C	Solids, Total Dissolved	

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Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide ZnAc - Zinc Acetate HCI - Hydrochloric H3PO4 - Phosphoric Acid		244	1	
HCI - Hydrochloric	HNO3 - Nitric A	H2SO4 - Sulfuric Acid	NaOH - Sodiun	n Hydroxide
	ZnAc - Zinc Ace	HCI - Hydrochloric	H3PO4 - Phosp	phoric Acid

shipped the same day as they are collected We strongly suggest that the samples are

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant. Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BO#: 193743

1 of 1







BOTTLE ORDER 193742

Linkan Engineering SHIPPED TO:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

> Project: Phone:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us Order Created by: Yvonna E. Smith Shipped From: Billings, MT Ship Date: 4/17/2025

VIA: Ground

Quote Used: 17287

Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly	fine-Outfi	all 001A Month	hly + Weekly			Quote Used: 1/28/	
							Num
	Bottles			Criffical			oť
	Per				Droconvative	Notes	Samp
Bottle Size/Tyne	Samo	Samo Method	lests	פ	ו פפפו עמוועס		
Doug of Carly Po							
Outfall 001A Weekly COD (4 Sets)	K C	JD (4 Set	(8)				,
	6				7000		
500 mL Plastic	~	E410.4	Chemical Oxygen Demand		12004		9

	AOSCH [1000		
(S)		Chemical Oxygen Demand	HACH 8000 Preparation for COD testing HACH 8000	
COD (4 Set		1 E410.4	HACH 8000	
HEALI ONTA WARKIN COD (4 Sets)	Tigon Colonia	mL Plastic		

Outfall 001A Inree Ilmes Weeking 133 (14	e Ilmes Week	19 100 (12 0613)	Tall to the seed of the container	1
1 Liter Plastic Wide	1 A2540 D	1 A2540 D Solids, Total Suspended		
Mouth			_	

O::+foll On A Bi_Weekly (2 Sets)	RI-WOOKIN (Sers					
	1	1		1001			_
250 ml. Plastic	1 A3	500-Cr B	7 A3500-Cr B Chromium, Hexavalent	24.00 hrs			
	E3(0.00	E300.0 Anions by Ion Chromatography				Į,
		0	Marie Discolved		HN03	Filter before preservation	-
250 mL Plastic	1 EZ	00.7.00	EZOU. / _ & Metals by IOF/IOF Mo, Discoved				7
250 mL Plastic	1 E2(8_7.00	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HNO3		
	5	Culation	Calculation Chromium Total Recoverable Trivalent				
	2	Calation					
	E2,	E245.1	Mercury, Total				
	E-3	E200.2	Metals Digestion by E200.2				
- 2:	E2.	E245.1	Mercury Digestion by E245.1				

BO#: 193742

1 of 2



ANALYTICAL SUMMARY REPORT

June 27, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061769 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 6/19/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25061769-001	Outfall 001A	06/13/25 14:45	06/19/25	Aqueous	Solids, Total Suspended
B25061769-002	Outfall 001A	06/16/25 14:50	06/19/25	Aqueous	Same As Above
B25061769-003	Outfall 001A	06/18/25 14:10	06/19/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/27/25Project:Schwartzwalder MineCollection Date:06/13/25 14:45Lab ID:B25061769-001DateReceived:06/19/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/20/25 10:01 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/27/25Project:Schwartzwalder MineCollection Date:06/16/25 14:50Lab ID:B25061769-002DateReceived:06/19/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/20/25 10:01 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 06/27/25 Project: Schwartzwalder Mine Collection Date: 06/18/25 14:10 Lab ID: B25061769-003 DateReceived: 06/19/25 Client Sample ID: Outfall 001A Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/20/25 10:01 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	06/20/25 14:16 / fap

Report RL - Analyte Reporting Limit Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061769 Report Date: 06/25/25

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							Е	Batch: TSS20	0250620A
Lab ID: MBLK_20250620-5	Method Blank				Run: BAL #	30_250620D		06/20/	25 09:59
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250620-3	Laboratory Co	ntrol Sample			Run: BAL #	30_250620D		06/20/	25 09:59
Solids, Total Suspended TSS @ 105	C 106	mg/L	25	106	80	120			
Lab ID: B25061772-001BDUP	Sample Duplic	ate			Run: BAL #	30_250620D		06/20/	25 10:01
Solids, Total Suspended TSS @ 105	C 14.3	mg/L	10				2.3	10	

Sample Matrix Spike

22.8

24.4

mg/L

mg/L

Sample Matrix Spike Duplicate

Report Date: 06/25/25

06/20/25 14:16

06/20/25 14:16

10



Work Order: B25061769

B25061769-003BMS

B25061769-003BMSD

Oxygen Demand, Chemical (COD)

Oxygen Demand, Chemical (COD)

Lab ID:

Lab ID:

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte	Count Resu	lt Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4							Analytical F	Run: SPEC3	_250620B
Lab ID: CCV-200809	Continuing	Calibration V	erification Standar	rd				06/20/	/25 14:16
Oxygen Demand, Chemical (COD	50.	2 mg/L	5.0	100	90	110			
Method: E410.4								Batc	h: 200809
Lab ID: MB-200809	Method Bla	nk			Run: SPEC	3_250620B		06/20/	/25 14:16
Oxygen Demand, Chemical (COD) N	D mg/L	3						
Lab ID: LCS-200809	Laboratory	Control Samp	ple		Run: SPEC	3_250620B		06/20/	/25 14:16
Oxygen Demand, Chemical (COD	25.	3 mg/L	5.0	104	90	110			

5.0

5.0

93

100

Qualifiers:

Run: SPEC3_250620B

Run: SPEC3_250620B

110

110

7.1

90

90

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Darcy Chirrick

B25061769

Date Received: 6/19/2025

Icadreau		Red	ceived by: SRG
6/26/2025		Carr	ier name: Return-FedEx NDA
good condition?	Yes ✓	No 🗌	Not Present
nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Present
ample bottles?	Yes	No 🗌	Not Present ✓
	Yes 🔽	No 🗌	
en relinquished and received?	Yes ✓	No 🗌	
sample labels?	Yes ✓	No 🗌	
/bottle?	Yes ✓	No 🗌	
	Yes ✓	No 🗌	
indicated test?	Yes ✓	No 🗌	
onsidered field parameters	Yes 🗸	No 🗌	
hipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable
erature:	2.6°C Blue Ice		
adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
receipt?	Yes ☑	No 🗌	Not Applicable
		good condition? good condition? hipping container(s)/cooler(s)? ample bottles? Yes ☑ In sample labels? Yes ☑ Anolding time? Onsidered field parameters Iffite, Ferrous Iron, etc.) hipping container(s)/cooler(s)? Yes ☑ 2.6°C Blue Ice adspace have no headspace or	good condition? Yes No No nipping container(s)/cooler(s)? Yes No No No No No No No No No N

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The analysis was not selected on the chain of custody. The samples were logged in per the attached bottle order. LSC 06/26/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL THE STREET	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv i	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
LABORATORY.	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Trust our People. Trust our Data

Chain of Custody & Analytical Request Record

www.energylab.com

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1	

Account	Account Intormation (Billing information)	nformation)		Kep	Report Information (if different than Account Information)	ion (if differer	nt than Accou	int Information)	Con	comments			
Company/Name Linkan	e Linkan			Comp	Company/Name Linkan	ın			Out	Outfall 001A - Weekly Sample	Neekly Sa	ample	
Contact	Chris Prosper			Contact	125	Alex Schwiebert							
Phone	775-777-8003			Phone	10-10	775-397-6779							
Mailing Address	s 2720 Ruby Vista Dr	٦.		Mailin	Mailing Address 2720	2720 Ruby Vista Dr	٥̈ـ		Plez	ase email R	eport and	Please email Report and EDD results to:	
City, State, Zip	Elko, NV 89801			City, 8	City, State, Zip Elko,	Elko, NV 89801			chris	chris.prosper@linkan.com	linkan.cor	٦	
Email	AP@linkan.com			Email	8.55	see comments			ada	adam.billin@linkan.com	ikan.com		
Receive Invoice	e □Hard Copy ■Email Receive Report □Hard Copy ■Email	Receive Report	□Hard Copy ■E	_	Receive Report	I Copy ■Email			pete	peter havs@state.co.us	ate co.us		
Purchase Order 25-0152	or Quote H17287	Bo	Bottle Order	Specia	Special Report/Formats: ☐ LEVEL IV ☐NELAC	: ■ EDD/EDT (contact laboratory) □ Other	'contact labora	ory) □ Other)			
Project Information	formation				Matrix Codes			Analysis Requested	nested		Ļ		П
Project Name,	Project Name, PWSID, Permit, etc. Schwarfzwalder Mine	wartzwalder M	line		A- Air	5					A ct	All turnaround times are	
Sampler Name	Buart According		Sampler Phone 726-238	\$8-(469	W- Water Soils/	sbilos					010	RUSH.	0
Sample Origin	Sample Origin State Colorado	EPA/State Compliance	empliance Tyes	oN 🗆 se	V - Vegetation							Energy Laboratories MUST be contacted prior to	þ
URANIUM MINING C Unprocessed Ore	URANIUM MINING CLIENTS MUST indicate sample type □ Unprocessed Ore □ Processed Ore (Ground or Refined) **CALL BEFORE SENDING	icate sample type	SNDING		B - Bioassay O - Oil DW - Drinking	bnəqsu gyxO ls:					ttachec	RUSH sample submittal for charges and scheduling – See Instructions Page	ا <u>آ</u>
☐ 11(e)2 bypr	oduct Material (Can UNLY	be Submitted to E	LI Casper Locati		-	S le					A 9		
	Sample Identification (Name, Location, Interval, etc.)	ion tc.)	Collection	ime	Number of (See Codes Above)	stoT	Den				Serush	ELI LAB ID Laboratory Use Only	
1 Outfall 001A	01A		0/13/25	Shhl	1./						•	12/0/12/2017	1
2 Outfall 001A	01A		6/16/25	1450	3						•		1
3 Outfall 001A	01A		1/18/18	3	2 2						•		
4 v													
9													
7	4												
ω σ													
	ELI is REQUIRED to provide preservative traceability.	vide preservat	ive traceability		rvatives supplie	d with the bot	tle order we	f the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.	ease attach you	ur preservative	e information	with this COC.	
Custody	Relinquished by (print)	المعرار	125/2	Signature Signature	W.V		Received by (print)	print)	Date/Time	me	Signature		
MUST be signed	Relinquished by (print)	ă	Date/Time	Signature	Je.		Received by	Received by Laboratory (print)	Date/Time	S 10 3	Signature	er: Dold	
					WAS LEADER	LABORATORY USE ONLY	ONLY))	-	Several distribution			
Shipped By	Cooler ID(s)	Custody Seals	√ Intact	Receipt Temp °C	Temp Blank ≺ N	<u>8</u> z 5≻	20	Payment Type Cash Check	₩ ₩	Amount \$	Receipt Numb	Receipt Number (cash/check only)	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Trust our People. Irust our Data. www.energylab.com



BOTTLE ORDER 186843

To report an issue with this order, view Safety ***** This is a recurring bottle order. If you have received this in error please contact your laboratory *****

Linkan Engineering

SHIPPED

Data Sheets, or let us know how we are doing,

							scan here or go to energylab.com/contact-us	
Contact	Contact: Brendan Smith						Order Created by: Yvonna E. Smith	h
	400 Corporate Circle, Suite H	cle, Suite	·H				Shipped From: Billings, MT	
	Golden CO 80401						Ship Date: 9/10/2024	
Phone:	(775) 389-5582						VIA: Ground	
Project:	Schwartzwalder Mine - Weekly	line - Wee	ekly				Quote Used: 17287	
		Bottles Per			Critical Hold	50		Num
ă	Bottle Size/Type	Samp	Method	Tests	Time	Preservative	Notes	Samp
3	1004 8 181		9					
Court	Outrail 001A Weekly COD	KIN C	מי					
500 m	500 mL Plastic	1	E410.4	Chemical Oxygen Demand		H2SO4		_
_			HACH 8000	HACH 8000 Preparation for COD testing HACH 8000				

Comments		

Solids, Total Suspended

1 A2540 D

1 Liter Plastic Wide

Mouth

Outfall 001A 3 Times Weekly TSS (3 Sets)

Fill to the neck of the container

HNO3 - Nitric Acid	H2SO4 - Sulfuric Acid	8	itric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	We stron
ZnAc - Zinc Acetate	nc Acetate HCI - Hydrochloric		H3PO4 - Phosphoric Acid	shipped t
	Acid			

ne same day as they are collected. gly suggest that the samples are

> Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant. Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report. ,

1 of 1

ANALYTICAL SUMMARY REPORT

July 02, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25062376 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 6/26/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25062376-001	Outfall 001A	06/20/25 14:45	06/26/25	Aqueous	Solids, Total Suspended
B25062376-002	Outfall 001A	06/23/25 13:30	06/26/25	Aqueous	Same As Above
B25062376-003	Outfall 001A	06/25/25 14:00	06/26/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/02/25Project:Schwartzwalder MineCollection Date:06/20/25 14:45Lab ID:B25062376-001DateReceived:06/26/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/27/25 11:13 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/02/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 06/23/25 13:30

 Lab ID:
 B25062376-002
 DateReceived:
 06/26/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/27/25 11:13 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/02/25 Schwartzwalder Mine Project: Collection Date: 06/25/25 14:00 Lab ID: B25062376-003 DateReceived: 06/26/25 Client Sample ID: Outfall 001A Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/27/25 11:13 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	4 mg/L	J	5	E410.4	06/27/25 15:21 / fap

Report RL - Analyte Reporting Limit Definitions:

QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25062376 Report Date: 07/02/25

Analyte Cou	nt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							E	Batch: TSS20	0250627A
Lab ID: MBLK_20250627-5	Method Blank				Run: BAL #	30_250627A		06/27	/25 11:12
Solids, Total Suspended TSS @ 105 C	ND ND	mg/L	0.6						
Lab ID: LCS_20250627-3	Laboratory Con	trol Sample			Run: BAL #	30_250627A		06/27	/25 11:12
Solids, Total Suspended TSS @ 105 C	98.0	mg/L	25	98	80	120			
Lab ID: B25062349-003BDUP	Sample Duplica	ate			Run: BAL #	30_250627A		06/27	/25 11:13
Solids, Total Suspended TSS @ 105 C	5.40	mg/L	10					10	J

RL - Analyte Reporting Limit

 ${\bf J}$ - Estimated value - analyte was present but less than the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25062376 Report Date: 07/02/25

Analyte Count Result Units RL %REC Low Limit High Limit RPD RPDLimit Qua

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical F	Run: SPEC3	_250627B
Lab ID: CCV-201006	Co	ntinuing Cal	ibration Verificatio	n Standaı	rd				06/27	/25 15:21
Oxygen Demand, Chemical (CO	D)	53.7	mg/L	5.0	107	90	110			
Method: E410.4									Bato	h: 201006
Lab ID: MB-201006	Me	thod Blank				Run: SPEC	3_250627B		06/27	/25 15:20
Oxygen Demand, Chemical (CO	D)	ND	mg/L	3						
Lab ID: LCS-201006	La	boratory Cor	ntrol Sample			Run: SPEC	3_250627B		06/27	/25 15:20
Oxygen Demand, Chemical (CO	D)	23.3	mg/L	5.0	95	90	110			
Lab ID: B25062319-004CMS	Sa	mple Matrix	Spike			Run: SPEC	3_250627B		06/27	/25 15:21
Oxygen Demand, Chemical (CO	D)	50.7	mg/L	5.0	108	90	110			
Lab ID: B25062319-004CMS	D Sa	mple Matrix	Spike Duplicate			Run: SPEC	3_250627B		06/27	/25 15:21
Oxygen Demand, Chemical (COI	D)	51.1	mg/L	5.0	110	90	110	0.7	10	

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Laura M. Barlage

B25062376

Date Received: 6/26/2025

Reviewed by:	jmiller			Received by: NLA	
Reviewed Date:	7/2/2025		C	Carrier name: Return-FedEx NDA	
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🔽	No 🗌		
Chain of custody signed whe	n relinquished and received?	Yes 🗹	No 🗌		
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌		
Samples in proper container/	bottle?	Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗸	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res CI, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	6.0°C Blue Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	
					==

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

	rust our Data.
ENERGY	Trust our People. 1

Chain of Custody & Analytical Request Record

www.energylab.com

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Page	

Account I	Account Information (Billing information)	nformation)		Re	port Informa	ation (if d	ferent than A	Report Information (if different than Account Information)	Comments	s	
Company/Name Linkan	e Linkan			Com	Company/Name Linkan	can			Ontfall 001	A - We	Outfall 001A - Weekly Sample
Contact	Chris Prosper			Contact		Alex Schwiebert	pert				
Phone	775-777-8003			Phone		775-397-6779	0				
Mailing Address	s 2720 Ruby Vista Dr	Jr.		Maili	Mailing Address 272	2720 Ruby Vista Dr	sta Dr		Please em	ail Ren	Please email Report and EDD results to:
City, State, Zip	Elko, NV 89801			City.	City, State, Zip Elko	Elko, NV 89801	01		chris.prosper@linkan.com	er@link	can.com
Email	AP@linkan.com			Email		see comments	ts		adam.billin@linkan.com	@linkar	moo.r
Receive Invoice	□ □ Hard Copy ■ Email	Receive Report	□Hard Copy ■E		Receive Report		■Email		alex.schwiebert@linkan.com	ebert@I	inkan.com
Purchase Order 25-0152	r Quote H17287	Bo	Bottle Order 19ネイ	Speci	Special Report/Formats: ☐ LEVEL IV ☐ NELAC		EDT (contact la	■ EDD/EDT (contact laboratory) □ Other_			
Project Information	formation		k.		Matrix Codes	_		Analysis Requested	sted		
Project Name, F	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	wartzwalder M	ine		A- Air						All turnaround times are
Sampler Name	Sampler Name Burent Heure	Sampler Phone	Sampler Phone 7-06-23	8-46	W- Water Solls/	spilo					standard unless marked as RUSH.
Sample Origin	Sample Origin State Colorado	EPA/State Compliance	mpliance TYes	oN 🗆	Solids V - Vegetation	S be	uəl				Energy Laboratories
URANIUM MIN Unprocessed Processed O 11(e)2 Bypro	URANIUM MINING CLIENTS MUST indicate sample type □ Unprocessed Ore □ Processed Ground or Refined) **CALL BEFORE SENDING □ Trocessed Ground (Gan ONLY be Submitted to ELI Casper Location)	icate sample type CALL BEFORE SE be Submitted to E	ENDING LI Casper Location	on)	B - Bioassay O - Oil DW - Drinking	puədsng	ical Oxyg			Attached	RUSH sample submittal for charges and scheduling – See Instructions Page
	Sample Identification	on	Collec	c	Number of Matrix		ews peu			99	ELITABID
	(Name, Location, Interval, etc.)	tc.)	Date	1			D C			S	TAT Laboratory Use Only
1 Outfall 001A	01A		50/00/0	-42 -42	3					•	B25062311
2 Outfall 001A	01A		6/23/25	1330	3					•	
3 Outfall 001A	01A		6/25/25	ashl	3					•	
4						_					
5	6										
9											
2											
8											
0											
	I is REQUIRED to pro	vide preservati	ive traceability	/. If the pres	ervatives suppli	ed with the	bottle orde	ELI IS REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.	e attach your presen	vative info	rmation with this COC.
>-	Rejnquished by (print)	٩	Pate/Time/S/1/S	30 Signature	The Bank		Received	Received by (print)	Date/Time	250	Signature
MUST be signed	Refinquished by (print)	Da	Date/Time	Signature			RECENS	thy Laboratory (gride)	Date Time 6	-102	Bignature
	-					LABORATORY USE ONLY	SEONLY		12		
Suibbed By	Cooler ID(s)	Custody Seals	lntact ≺	Receipt Temp °C	Temp Blank Y N	<u>8</u> z 5≻	8	Payment Type Cash Check	Amount \$	Recei	Receipt Number (cash/check only)





BOTTLE ORDER 193742

Linkan Engineering SHIPPED TO:

Data Sheets, or let us know how we are doing, To report an issue with this order, view Safety scan here or go to energylab.com/contact-us

Shipped From: Billings, MT

Order Created by: Yvonna E. Smith

Ship Date: 4/17/2025 VIA: Ground

Quote Used: 17287

Num of Samp Critica Bottles

Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Project: Phone:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

5		Hold			
Bottle Size/Type Samp Method	Tests	Time	Preservative	Notes	U)

Outfall 001A Weekly COD (4 Sets)	COD (4 Set	s)		(A)	
500 mL Plastic	1 E410.4	Chemical Oxygen Demand		H2SO4	-
	HACH 8000	HACH 8000 Preparation for COD testing HACH 8000	c.		

	H. Calvarante and C. Calvarant				
1 Liter Plastic Wide Mouth	-	A2540 D	1 A2540 D Solids, Total Suspended	Fill to the neck of the container.	-
Outfall 001A Bi-Weekly (2 Sets)	eekly	(2 Sets)		**	
-:	-	0.0000			1

Outfall 001A Three Times Weekly TSS (12 Sets)

Outrall 001A BI-Weekly (2 Sets)	ekiy (z set	8)				
250 mL Plastic	1 A3500-Cr	A3500-Cr B Chromium, Hexavalent	24.00 hrs	a.		-
	E300.0	Anions by Ion Chromatography				
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	-
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HNO3		-
-	Calculation	Calculation Chromium, Total Recoverable Trivalent				
	E245.1	Mercury, Total		2		
	E200.2	Metals Digestion by E200.2				
	E245.1	Mercury Digestion by E245.1				

BO#: 193742

1 of 2

250 mL Plastic	_	1 E200.7_8	Metals by ICP/ICPMS, Potentially Dissolved	HN03		_
		MCAWW	Preparation, Potentially Dissolved Filtration			
500 mL Amber Plastic	_	1 Kelada-01	Cyanide, Weak Acid Dissociable	NaOH		-
250 mL Plastic		A4500-S D	1 A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	-
			-	NaOH		
1 Gallon Plastic	-	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	-
1 Gallon Plastic	1	1 A7500-RA	Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	~
		E903.0	Radium 226, Total		nitric acid vial for preservation.	
		RA-05	Radium 228, Total		10	
Extra Weekly Supplies	plies					
1 Liter Plastic Wide Mouth	2	2 A2540 D	Solids, Total Suspended		Fill to the neck of the container.	-
500 mL Plastic	1	1 E410.4	Chemical Oxygen Demand	H2SO4		~
Comments	,	4			2	
HNO3 - Nitric Acid	Ï	H2SO4 - Sulfuric Acid	ric Acid NaOH - Sodium Hydroxide	We str	We strongly suggest that the samples are	are
ZnAc - Zinc Acetate	ĬĞ	HCI - Hydrochloric Acid	oric H3PO4 - Phosphoric Acid	shipped	shipped the same day as they are collected.	cted.
Material Safety Data She	ets(MS	SDS) Availabi	Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets			
Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and	Ilfuric, Pł	hosphoric, Hydro	schloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	tant.		
Subcontracting of sample analyses to an outside laboratory may be required. laboratories will be indicated within the Laboratory Analytical Report.	es to an o	outside laboratory oratory Analytical	may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such I Report.	boratories or qualified	contract laboratories for this service. Any such	
						_

ANALYTICAL SUMMARY REPORT

July 14, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25070213 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/2/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Rec	eive Date	Matrix	Test
B25070213-001	Outfall 001A	06/27/25 14:15	07/02/25	Aqueous	Solids, Total Suspended
B25070213-002	Outfall 001A	06/30/25 14:00	07/02/25	Aqueous	Same As Above
B25070213-003	Outfall 001A	07/01/25 14:10 (07/02/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/14/25Project:Schwartzwalder MineCollection Date:06/27/25 14:15Lab ID:B25070213-001DateReceived:07/02/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/14/25Project:Schwartzwalder MineCollection Date:06/30/25 14:00Lab ID:B25070213-002DateReceived:07/02/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/14/25 Project: Schwartzwalder Mine **Collection Date:** 07/01/25 14:10 Lab ID: B25070213-003 DateReceived: 07/02/25 Client Sample ID: Outfall 001A Matrix: Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	07/03/25 09:34 / pjw
AGGREGATE ORGANICS Oxygen Demand, Chemical (COD)	ND mg/L		5	E410.4	07/03/25 13:58 / fap

RL - Analyte Reporting Limit Report Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070213 Report Date: 07/14/25

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							E	Batch: TSS20	0250703A
Lab ID: MBLK_20250703-3	Method Blank				Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250703-1	Laboratory Cor	ntrol Sample			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 101	mg/L	25	101	80	120			
Lab ID: B25070196-001CDUP	Sample Duplic	ate			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 75.8	mg/L	10				4.6	10	
Lab ID: B25070216-005BDUP	Sample Duplic	ate			Run: BAL #	30_250703B		07/03/	25 09:34
Solids, Total Suspended TSS @ 105	C 85.0	mg/L	12				7.4	10	



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070213							Re	port Date:	07/14/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical F	Run: SPEC3	_250703B
Lab ID: CCV-201171	Co	ntinuing Cal	ibration Verifi	cation Standar	rd				07/03	3/25 13:58
Oxygen Demand, Chemical (COI	O)	49.2	mg/L	5.0	98	90	110			
Method: E410.4									Bato	h: 201171
Lab ID: MB-201171	Me	thod Blank				Run: SPEC	3_250703B		07/03	3/25 13:58
Oxygen Demand, Chemical (COI	O)	ND	mg/L	3						
Lab ID: LCS-201171	Lat	ooratory Co	ntrol Sample			Run: SPEC	3_250703B		07/03	3/25 13:58
Oxygen Demand, Chemical (COI	O)	23.1	mg/L	5.0	95	90	110			
Lab ID: B25070255-001CMS	Sa	mple Matrix	Spike			Run: SPEC	3_250703B		07/03	3/25 13:58
Oxygen Demand, Chemical (COI	O)	25.6	mg/L	5.0	105	90	110			
Lab ID: B25070255-001CMSI	Sa	mple Matrix	Spike Duplica	ate		Run: SPEC	3_250703B		07/03	3/25 13:58
Oxygen Demand, Chemical (COI	D)	25.3	mg/L	5.0	104	90	110	1.3	10	

Login completed by: Natasha L. Anthony

Work Order Receipt Checklist

Linkan Engineering

B25070213

Date Received: 7/2/2025

Reviewed by:	ysmith		Re	ceived by: DNH
Reviewed Date:	7/11/2025		Car	rier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes 🗹	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌	
Chain of custody agrees with	sample labels?	Yes 🗹	No 🗌	
Samples in proper container/	/bottle?	Yes 🗹	No 🗌	
Sample containers intact?		Yes 🗹	No 🗌	
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌	
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🗹	No 🗌	
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable
Container/Temp Blank tempe	erature:	4.5°C On Ice		
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted
Water - pH acceptable upon	receipt?	Yes ✓	No 🗌	Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The chain of custody does not indicate which sample is to be analyzed for chemical oxygen demand analysis. Proceeded with chemical oxygen demand on the sample collected 07/01/25 per the sample containers received. YES

Work Order Receipt Checklist - Continued

Linkan Engineering

B25070213

07/11/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL THE STREET	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv i	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
LABORATORY.	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Address 2720 Ruby Vista Dr See Comments See Comments See Comments See Comments Analysis Requested Analysis Requested	CompanyName Linkan Chief Proper CompanyName Linkan CompanyName L	ACCOUNT INTOLLIATION (Billing information)		Report Information (if different than Account Information)	int than Account Information)	Comments
Contact	Contact T15-177-8000	Company/Name Linkan		Sompany/Name Linkan		Outfall 001A - Weekly Sample
Phone 175-377-8003 Phone 175-397-6779 Phone 175-397-677	Phone 775-377-8003					
Page	Propose of the Part of the P	29.50				
A	State Stat				ı Dr	Please email Report and EDD results to:
Seel Comments AP@linkan.com Seel Comments Seel Comment	Email					chris.prosper@linkan.com
Tolect Information Tolect	Toglect Information Toglect I					adam.billin@linkan.com
Countral Order H17287 H1	Cutoble Order	☐Hard Copy ■Email			=	peter.hays@state.co.us
Project Information	Toject Information Toject Name, PWSID, Permit, etc. Schwartzweilder Mine Troject Name, Collectord Sample United Stronger Property Troject Name Sample United Stronger Name Sample Name Sample United Stronger Name Sample United Stronger Name Sample United Stronger Name Sample United Stronger Name Sample Name Sample United Stronger Name Sample Name Sample Name Sample United Stronger Name Sample Name S	Quote H17287		Q V	(contact laboratory))
Project Name, PWSID, Permit, etc. Schwartzwalder Mine wroper Name Expand Acade Sample Origin State Colorado EPA/State Compilance E vee	Processor Parameter Para	Project Information		Matrix Codes	Analysis Requested	
The state of the following the control of the state of th	THOUSE PRODUCED CLIENTS MUST indicate sample type of the Sample Colorado (Sampler Phone \$1/338/ClfC) W. Water Processed Control Client Sample Colorado (Sampler Client) Sampler Client Sampler Sampler Client Sampler Sampler Client Sampler Sample	Project Name, PWSID, Permit, etc. Schwartzwalder N	Mine	Air		All turnaround times are
ample Origin Stank Colorado EPA/State Compilance PA/State PA/State Compilance PA/State Compilance PA/State PA/	Processed One Colorado EPA/State Compilance 4	do	1238/6	W- Water		RUSH
Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined) "CALL BEFORE SENDING For Date of Processed On Ground or Refined On Ontrall OO1 A	Processed One Control of Suppose Service Processed Control of Service Processe		■ Yes □	Solids O	uof	
Sample Identification Collection Number of Regions Page	Sample Identification Collection Colle	URANIUM MINING CLIENTS MUST indicate sample typ: □ Unprocessed Ore □ Processed Ore (Ground or Refined) **CALL BEFORE S □ 11(e)2 Byproduct Material (Can ONL'y be Submitted to it	pe SENDING • ELI Casper Location)	Bioassay nd Oil Drinking Spend Water S	pui	
Outfall 001A C/26/25 14/6 V Inspector of the standard of the standar	Outfall 001A C/36/25 4/6 d V </td <td>Sample Identification (Name, Location, Interval, etc.)</td> <td>2 -</td> <td>Number of See Codes Containers See Codes</td> <td>Dems</td> <td>RUSH</td>	Sample Identification (Name, Location, Interval, etc.)	2 -	Number of See Codes Containers See Codes	Dems	RUSH
Outfall 001A	Outfall 001A	1 Outfall 001A	7	7		5/20108/8
Outfall 001A	Outfall 001A 2 1 2 2 2 2 2 2 2 2		14	W 6		•
ELI is REQUIRED to provide preservative fraceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative Record MUST Record MUST Reingdished by (print) Reingdished by (pri	ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were NOT used, please attach your preservative Reinfallished by (print) Record Reinfallished by (print) Record Reinfallished by (print) Record Reinfallished by (print)		M 26/	2 1		•
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Reinquished by (print) Date/Time Signature Sig	Relinquished by (print) Date/Time Signature Si	ELI is REQUIRED to provide preserva	<u>+</u>	preservatives supplied with the bo	ottle order were NOT used, please att	ach your preservative information with this COC.
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LABORATORY USE ONEY	Sy Cooler ID(s) Custody Seals Intact Receipt Temp Blank On Ice Payment Type Amount Cooler ID(s) Custody Seals Intact Receipt Temp Blank On Ice Payment Type Amount Cooler ID(s) Y N C B Y N °C Y N Y N C C Cash Check S	Relinguished by (print)		ignative	Aby Laborater (prints)	1015
	Cooler ID(s) Custody Seals Intact Receipt Temp Temp Blank On Ice Payment Type Amount *C Y N C B Y N C C Cash Check \$				ONE	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Trust our People. Trust our Data. www.energylab.com

BOTTLE ORDER 186995



***** This is a recurring bottle order. If you have received this in error please contact your laboratory *****

Linkan Engineering SHIPPED TO:

Schwartzwalder Mine - Weekly

Project:

Phone:

400 Corporate Circle, Suite H

Brendan Smith

Contact:

Golden CO 80401 (775) 389-5582

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 9/17/2024

Order Created by: Yvonna E. Smith

Quote Used: 17287

VIA: Ground

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD	dy CO	Q					
500 mL Plastic	-	E410.4	Chemical Oxygen Demand		H2SO4		-
		HACH 8000	HACH 8000 Preparation for COD testing HACH 8000				
			S (4)				
Outfall 001A 3 Times Weekly TSS (3 Sets)	Nes W	eekly TS	S (3 Sets)				
1 Liter Plastic Wide	7	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	-

Comments

Mouth

	JS) Available @ EnergyLab.com ->Services -> MSDS Sheets	(MSDS) Available @ Energ	Sheets	Material Safety Data Sheets (MSD)	M
		Acid			
snipped the same day as	H3PO4 - Phosphoric Acid	Hydrochloric		ZnAc - Zinc Acetate	
We strongly suggest that	H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	H2SO4 - Sulfuric Acid		HNO3 - Nitric Acid	

they are collected t the samples are

1 of 1

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BO#: 186995

ANALYTICAL SUMMARY REPORT

June 30, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25060950 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 6/11/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive	e Date Matrix	Test
B25060950-001	Outfall 001A	06/10/25 14:50 06/	11/25 Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorime

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Report Date: 06/30/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order:

B25060950 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 06/30/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 06/10/25 14:50

 Lab ID:
 B25060950-001
 DateReceived:
 06/11/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

					MCL/	
Analyses	Result	Units	Qualifiers	RL	QCL Method	Analysis Date / By
INORGANICS						
Chloride	0.5	mg/L	J	1	E300.0	06/12/25 04:45 / caa
Sulfate		mg/L	ŭ	1	E300.0	06/12/25 04:45 / caa
Fluoride		mg/L		0.1	E300.0	06/12/25 04:45 / caa
Cyanide, Weak Acid Dissociable		ug/L		1	Kelada-01	06/11/25 14:54 / fap
Sulfide		mg/L		0.04	A4500-S D	06/13/25 12:24 / pmw
METALS, DISSOLVED						
Chromium, Hexavalent	ND	ug/L		10	A3500-Cr B	06/11/25 12:44 / aem
Iron	10	ug/L	J	20	E200.8	06/14/25 13:01 / jks
Manganese	0.4	ug/L	J	1	E200.8	06/14/25 13:01 / jks
METALS, POTENTIALLY DISSOLVED						
Cadmium	ND	ug/L		1	E200.8	06/14/25 13:05 / jks
Copper	0.1	ug/L	JL	0.5	E200.8	06/14/25 13:05 / jks
Nickel	0.1	ug/L	J	5	E200.8	06/14/25 13:05 / jks
Selenium	ND	ug/L		1	E200.8	06/14/25 13:05 / jks
Silver	ND	ug/L	L	0.04	E200.8	06/14/25 13:05 / jks
Zinc	ND	ug/L		10	E200.8	06/14/25 13:05 / jks
METALS, TOTAL RECOVERABLE						
Arsenic	208	ug/L		1	E200.8	06/18/25 00:26 / jks
Chromium	ND	ug/L		5	E200.8	06/18/25 00:26 / jks
Chromium, Trivalent	ND	ug/L		10	Calculation	06/19/25 09:23 / bap
Iron	20	ug/L	J	20	E200.8	06/18/25 00:26 / jks
Uranium	6.9	ug/L		0.3	E200.8	06/18/25 00:26 / jks
METALS, TOTAL						
Antimony	ND	ug/L		1	E200.8	06/18/25 00:26 / jks
Boron	180	ug/L		50	E200.7	06/17/25 18:05 / enb
Mercury		ug/L		0.1	E245.1	06/18/25 13:44 / mjb
Thallium	ND	ug/L		0.5	E200.8	06/19/25 02:57 / jks
RADIONUCLIDES - DISSOLVED						
Radium 226		pCi/L	U		E903.0	06/23/25 10:05 / eli-ca
Radium 226 precision (±)		pCi/L			E903.0	06/23/25 10:05 / eli-ca
Radium 226 MDC	0.2	pCi/L			E903.0	06/23/25 10:05 / eli-ca
RADIONUCLIDES - TOTAL						
Radium 226		pCi/L	U		E903.0	06/23/25 10:22 / eli-ca
Radium 226 precision (±)		pCi/L			E903.0	06/23/25 10:22 / eli-ca
Radium 226 MDC		pCi/L			E903.0	06/23/25 10:22 / eli-ca
Radium 228		pCi/L	U		RA-05	06/18/25 13:10 / eli-ca
Radium 228 precision (±)		pCi/L			RA-05	06/18/25 13:10 / eli-ca
Radium 228 MDC		pCi/L			RA-05	06/18/25 13:10 / eli-ca
Radium 226 + Radium 228	0.7	pCi/L	U		A7500-RA	06/24/25 12:03 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL) U - Not detected MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

L -Lowest available reporting limit for the analytical method used and/or volume submitted





LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/30/25Project:Schwartzwalder MineCollection Date:06/10/25 14:50Lab ID:B25060950-001DateReceived:06/11/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.7 pCi/L				A7500-RA	06/24/25 12:03 / eli-ca
Radium 226 + Radium 228 MDC	1.2 pCi/L				A7500-RA	06/24/25 12:03 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level



Prepared by Billings, MT Branch

Work O	rder: B25060950				Re	port Date:	06/19/25				
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A3500-Cr B								Analytical F	Run: SPEC3	_250611B
Lab ID:	CCV	Coi	ntinuing Cal	ibration Verificati	on Standa	rd				06/11	/25 12:44
Chromium	, Hexavalent		0.105	mg/L	0.010	105	90	110			
Method:	A3500-Cr B									Batch:	R443937
Lab ID:	MBLK	Me	thod Blank				Run: SPEC	3_250611B		06/11	/25 12:44
Chromium	, Hexavalent		ND	mg/L	0.003						
Lab ID:	LCS	Lab	ooratory Cor	ntrol Sample			Run: SPEC	3_250611B		06/11	/25 12:44
Chromium	, Hexavalent		0.107	mg/L	0.010	107	90	110			
Lab ID:	B25060950-001AMS	Sar	mple Matrix	Spike		Run: SPEC3_250611B			06/11/25 12:44		
Chromium	, Hexavalent		0.106	mg/L	0.010	106	80	120			
Lab ID:	B25060950-001AMSE) Sar	mple Matrix	Spike Duplicate			Run: SPEC	3_250611B		06/11/	/25 12:44
Chromium	, Hexavalent		0.105	mg/L	0.010	105	80	120	0.7	20	

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25060950 **Report Date:** 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-S D									Batch:	R444083
Lab ID:	MBLK	Me	thod Blank				Run: SPEC	3_250613A		06/13/	/25 12:24
Sulfide			ND	mg/L	0.01						
Lab ID:	LCS	Lal	boratory Cor	ntrol Sample		Run: SPEC3_250613A				06/13/	/25 12:24
Sulfide			0.181	mg/L	0.040	93	85	115			
Lab ID:	B25060950-001FMS	Sa	mple Matrix	Spike		Run: SPEC3_250613A				06/13/	/25 12:24
Sulfide			0.190	mg/L	0.040	97	70	130			
Lab ID:	B25060950-001FMSE) Sa	mple Matrix	Spike Duplicate			Run: SPEC	3_250613A		06/13/	/25 12:24
Sulfide			0.197	mg/L	0.040	101	70	130	4.0	20	
Lab ID:	B25060950-001FMS	Sa	mple Matrix	Spike			Run: SPEC3_250613A		06/13/25 12:		/25 12:24
Sulfide			0.374	mg/L	0.040	96	70	130			
Lab ID:	B25060950-001FMSE) Sa	mple Matrix	Spike Duplicate			Run: SPEC3_25			06/13/	/25 12:24
Sulfide			0.398	mg/L	0.040	102	70	130	6.3	20	

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25

											1
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytica	I Run: IC M	METROHM 1	_250609A
Lab ID:	ICV	3	nitial Calibratio	n Verificat	ion Standard					06/09	/25 12:27
Chloride			25.3	mg/L	1.0	101	90	110			
Sulfate			102	mg/L	1.0	102	90	110			
Fluoride			1.22	mg/L	0.10	97	90	110			
Lab ID:	CCV	3 (Continuing Cali	bration Ve	rification Standar	d				06/12	/25 02:50
Chloride			25.3	mg/L	1.0	101	90	110			
Sulfate			102	mg/L	1.0	102	90	110			
Fluoride			1.21	mg/L	0.10	97	90	110			
Method:	E300.0									Batch:	R443847
Lab ID:	ICB	3 N	Method Blank				Run: IC ME	TROHM 1_25	60609A	06/09	/25 12:44
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	3 L	_aboratory Fort	ified Blank	(Run: IC ME	TROHM 1_25	60609A	06/09	/25 13:00
Chloride			25.4	mg/L	1.0	102	90	110			
Sulfate			103	mg/L	1.1	103	90	110			
Fluoride			1.30	mg/L	0.10	104	90	110			
Lab ID:	B25060921-001AMS	3 5	Sample Matrix	Spike			Run: IC ME	TROHM 1_25	60609A	06/12	/25 03:23
Chloride			155	mg/L	1.3	103	90	110			
Sulfate			556	mg/L	5.3	105	90	110			
Fluoride			10.9	mg/L	0.10	105	90	110			
Lab ID:	B25060921-001AMSD	3 9	Sample Matrix	Spike Dup	licate		Run: IC ME	TROHM 1_25	60609A	06/12	/25 03:39
Chloride			157	mg/L	1.3	104	90	110	1.1	20	
Sulfate			560	mg/L	5.3	106	90	110	0.8	20	
Fluoride			11.0	mg/L	0.10	107	90	110	1.1	20	

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work	Order: B25060950							Renor	t Data	06/10/25	
								ixepoi	i Date.	: 06/19/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	Kelada-01							Analyti	cal Run	: SFA-202-B _.	_250611
Lab ID:	ICV	Init	ial Calibratio	on Verificat	ion Standard					06/11	/25 13:32
Cyanide,	Weak Acid Dissociable		0.00922	mg/L	0.0010	92	90	110			
Lab ID:	CCV	Co	ntinuing Cal	ibration Ve	rification Standar	d				06/11	/25 14:34
Cyanide,	Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110			
Method:	Kelada-01									Batch:	R443958
Lab ID:	ICB	Me	thod Blank				Run: SFA-2	202-B_250611A		06/11	/25 13:34
Cyanide,	Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID:	LCS1-ZnCN	Lat	ooratory Cor	ntrol Sampl	е		Run: SFA-2	202-B_250611A		06/11	/25 14:28
Cyanide,	Weak Acid Dissociable		0.00991	mg/L	0.0010	99	90	110			
Lab ID:	B25060858-005DMS	Sai	mple Matrix	Spike			Run: SFA-2	202-B_250611A		06/11	/25 14:46
Cyanide,	Weak Acid Dissociable		0.0105	mg/L	0.0010	105	80	120			
Lab ID:	B25060858-005DMSD) Sai	mple Matrix	Spike Dup	licate		Run: SFA-2	202-B_250611A		06/11	/25 14:50
Cyanide,	Weak Acid Dissociable		0.00982	mg/L	0.0010	98	80	120	6.8	10	
Lab ID:	LFB	Lat	ooratory For	tified Blank			Run: SFA-2	202-B_250611A		06/11	/25 15:00
Cyanide,	Weak Acid Dissociable		0.00954	mg/L	0.0010	95	90	110			

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Ana	lytical Ru	n: ICP205-B_	_250617A
Lab ID:	ICV	Co	ntinuing Cal	ibration Verific	ation Standar	d				06/17/	25 13:16
Boron			2.58	mg/L	0.10	103	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Verific	ation Standar	d				06/17/	25 17:56
Boron			2.54	mg/L	0.10	102	90	110			
Method:	E200.7									Batcl	h: 200603
Lab ID:	MB-200603	Me	thod Blank				Run: ICP20	5-B_250617A		06/17/	25 18:02
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-200603	Lak	ooratory Cor	ntrol Sample			Run: ICP20	5-B_250617A		06/17/	25 18:03
Boron			1.07	mg/L	0.10	107	85	115			
Lab ID:	B25060955-006CMS3	Sai	mple Matrix	Spike			Run: ICP20	5-B_250617A		06/17/	25 18:18
Boron			1.11	mg/L	0.050	106	70	130			
Lab ID:	B25060955-006CMSD	3 Sai	mple Matrix	Spike Duplica	te		Run: ICP20	5-B_250617A		06/17/	/25 18:19
Boron			1.11	mg/L	0.050	106	70	130	0.2	20	



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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25 Count Result Units RL %REC Low Limit High Limit **RPD RPDLimit** Qual **Analyte** Method: E200.8 Analytical Run: ICPMS207-B_250613A Lab ID: QCS 2 Initial Calibration Verification Standard 06/14/25 11:48 0.198 mg/L 0.020 99 90 110 Iron Manganese 0.200 mg/L 0.0050 100 90 110 Lab ID: CCV 2 Continuing Calibration Verification Standard 06/14/25 11:54 Iron 1.22 mg/L 0.020 94 90 110 0.0488 mg/L 0.0050 Manganese 98 90 110 Method: E200.8 Batch: R444116 Lab ID: **LRB** 2 Method Blank Run: ICPMS207-B 250613A 06/13/25 11:56 Iron ND mg/L 0.001 ND mg/L 0.00003 Manganese LFB Lab ID: 2 Laboratory Fortified Blank Run: ICPMS207-B 250613A 06/13/25 12:14 Iron 5.04 mg/L 0.020 101 85 115 Manganese 0.0474 mg/L 0.0050 95 85 115 Lab ID: B25060977-001CMS Run: ICPMS207-B_250613A 2 Sample Matrix Spike 06/14/25 13:31 Iron 4.81 mg/L 0.020 95 70 130 Manganese 0.246 0.0010 70 130 mg/L 93 B25060977-001CMSD Lab ID: 2 Sample Matrix Spike Duplicate Run: ICPMS207-B_250613A 06/14/25 13:38 4.70 0.020 93 70 130 2.2 20 Iron mg/L Manganese 0.243 mg/L 0.0010 87 70 130 1.2 20 Method: E200.8 Analytical Run: ICPMS207-B_250618A Lab ID: QCS Initial Calibration Verification Standard 06/19/25 00:56 Thallium 0.0415 mg/L 0.0050 104 90 110 Lab ID: CCV Continuing Calibration Verification Standard 06/19/25 02:20 Thallium 0.0493 0.0050 mg/L 99 90 110 Method: Batch: 200603 E200.8 Lab ID: MB-200603 Method Blank Run: ICPMS207-B_250618A 06/19/25 02:51

0.0002

ND

mg/L

Qualifiers:

Thallium

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD R	RPDLimit	Qual
Method:	E200.8							Analytica	l Run: ICF	PMS208-B_	_250616A
Lab ID:	QCS	5 Initi	al Calibrati	on Verification	on Standard					06/17/	/25 20:54
Antimony			0.0411	mg/L	0.0050	103	90	110			
Arsenic			0.0385	mg/L	0.0050	96	90	110			
Chromium			0.0382	mg/L	0.010	95	90	110			
Iron			0.200	mg/L	0.020	100	90	110			
Uranium			0.0393	mg/L	0.00030	98	90	110			
Lab ID:	ccv	5 Cor	ntinuing Ca	libration Ver	ification Standa	rd				06/17/	/25 23:11
Antimony			0.0485	mg/L	0.0050	97	90	110			
Arsenic			0.0472	mg/L	0.0050	94	90	110			
Chromium			0.0464	mg/L	0.010	93	90	110			
Iron			1.25	mg/L	0.020	96	90	110			
Uranium			0.0488	mg/L	0.00030	98	90	110			
Method:	E200.8									Batcl	h: 200603
Lab ID:	MB-200603	6 Met	hod Blank				Run: ICPM	S208-B_250616A	١	06/18/	/25 00:07
Antimony			ND	mg/L	0.0004						
Arsenic			ND	mg/L	0.0002						
Chromium			ND	mg/L	0.0005						
Iron			0.007	mg/L	0.006						
Thallium			ND	mg/L	0.0003						
Uranium			ND	mg/L	0.00003						
Lab ID:	LCS4-200603	6 Lab	oratory Co	ntrol Sample)		Run: ICPM	S208-B_250616A	١	06/18/	/25 00:13
Antimony			0.100	mg/L	0.0050	100	85	115			
Arsenic			0.0930	mg/L	0.0010	93	85	115			
Chromium			0.0910	mg/L	0.0010	91	85	115			
Iron			0.499	mg/L	0.010	100	85	115			
Thallium			0.109	mg/L	0.0010	109	85	115			
Uranium			0.0948	mg/L	0.00030	95	85	115			
Lab ID:	B25060955-008CMS4	6 San	nple Matrix	Spike			Run: ICPM	S208-B_250616A	١	06/18/	/25 01:40
Antimony			0.101	mg/L	0.0010	101	70	130			
Arsenic			0.0989	mg/L	0.0010	96	70	130			
Chromium			0.0950	mg/L	0.0050	94	70	130			
Iron			0.605	mg/L	0.020	103	70	130			
Thallium			0.112	mg/L	0.00050	112	70	130			
Uranium			0.103	mg/L	0.00030	101	70	130			
Lab ID:	B25060955-008CMSD	4 6 San	nple Matrix	Spike Dupli	cate		Run: ICPM	S208-B_250616A	١	06/18/	/25 01:46
Antimony			0.100	mg/L	0.0010	100	70	130	1.2	20	
Arsenic			0.0992	mg/L	0.0010	96	70	130	0.3	20	
Chromium			0.0942	mg/L	0.0050	93	70	130	8.0	20	
Iron			0.608	mg/L	0.020	104	70	130	0.5	20	
Thallium			0.115	mg/L	0.00050	115	70	130	2.4	20	
Uranium			0.104	mg/L	0.00030	102	70	130	0.7	20	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25060950 **Report Date:** 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytica	l Run: IC	PMS209-B_	_250613A
Lab ID:	QCS	6 Initia	al Calibratio	on Verificati	on Standard					06/14/	/25 07:07
Cadmium			0.0202	mg/L	0.0010	101	90	110			
Copper			0.0378	mg/L	0.010	94	90	110			
Nickel			0.0380	mg/L	0.0050	95	90	110			
Selenium			0.0392	mg/L	0.0050	98	90	110			
Silver			0.0202	mg/L	0.0050	101	90	110			
Zinc			0.0384	mg/L	0.0050	96	90	110			
Lab ID:	CCV	6 Con	tinuing Cal		ification Standar	d				06/14/	/25 12:20
Cadmium			0.0484	mg/L	0.0010	97	90	110			
Copper			0.0461	mg/L	0.010	92	90	110			
Nickel			0.0467	mg/L	0.0050	93	90	110			
Selenium			0.0476	mg/L	0.0050	95	90	110			
Silver			0.0195	mg/L	0.0050	98	90	110			
Zinc			0.0462	mg/L	0.0050	92	90	110			
Method:	E200.8									Batch:	R444130
Lab ID:	LRB	6 Met	hod Blank				Run: ICPM	S209-B_250613A	A	06/13/	/25 14:18
Cadmium			ND	mg/L	9E-6						
Copper			ND	mg/L	0.00005						
Nickel			ND	mg/L	0.00006						
Selenium			ND	mg/L	0.00002						
Silver			ND	mg/L	3E-6						
Zinc			ND	mg/L	0.001						
Lab ID:	LFB	6 Lab	oratory For	tified Blank			Run: ICPM	S209-B_250613 <i>A</i>	4	06/13/	/25 14:35
Cadmium			0.0461	mg/L	0.0010	92	85	115			
Copper			0.0451	mg/L	0.010	90	85	115			
Nickel			0.0455	mg/L	0.0050	91	85	115			
Selenium			0.0454	mg/L	0.0050	91	85	115			
Silver			0.0188	mg/L	0.0050	94	85	115			
Zinc			0.0458	mg/L	0.0050	92	85	115			
Lab ID:	B25052422-004BMS	6 Sam	nple Matrix	Spike			Run: ICPMS	S209-B_250613 <i>A</i>	4	06/13/	/25 15:36
Cadmium			0.232	mg/L	0.0010	93	70	130			
Nickel						91					
Selenium											
Zinc			0.235	mg/L	0.010	89	70	130			
Lab ID:	B25052422-004BMSD	6 Sam	nple Matrix	Spike Dupli	icate		Run: ICPMS	S209-B_250613 <i>P</i>		06/13/	/25 15:41
Cadmium			0.235	mg/L	0.0010	94	70	130	1.1	20	
Copper			0.230	mg/L	0.0050	92	70	130	0.3	20	
Nickel			0.231	mg/L	0.0050	92	70	130	1.1	20	
Selenium			0.236	mg/L	0.0010	94	70	130	0.5	20	
Silver			0.0955	mg/L	0.0010	95	70	130	0.2	20	
Silver Zinc Lab ID: Cadmium Copper Nickel Selenium Copper	B25052422-004BMS	6 San	ND ND oratory For 0.0461 0.0451 0.0455 0.0454 0.0188 0.0458 opple Matrix 0.232 0.230 0.228 0.234 0.0957 0.235 opple Matrix 0.235 opple Matrix 0.235 opple Matrix 0.236	mg/L mg/L tified Blank mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	3E-6 0.001 0.0010 0.010 0.0050 0.0050 0.0050 0.0050 0.0050 0.0010 0.0010 0.0010 icate	90 91 91 94 92 93 92 91 94 96 89 94 92 92	85 85 85 85 85 85 Run: ICPMS 70 70 70 70 70 70 70 70	115 115 115 115 115 115 115 5209-B_250613A 130 130 130 130 130 130 130 130 130	1.1 0.3 1.1 0.5	06/13/ 20 20 20 20	/25 15:36

Qualifiers:

RL - Analyte Reporting Limit

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R444130
Lab ID:	B25052422-004BMSD	6 Sa	ample Matrix	Spike Duplicate			Run: ICPMS	S209-B_250613A		06/13/	25 15:41
Zinc			0.231	mg/L	0.010	88	70	130	1.4	20	
Lab ID:	MB-200517	6 M	ethod Blank				Run: ICPMS	S209-B_250613A		06/14/	25 13:00
Cadmium			ND	mg/L	7E-6						
Copper			0.0003	mg/L	0.00005						
Nickel			ND	mg/L	0.00006						
Selenium			ND	mg/L	0.00002						
Silver			ND	mg/L	5E-6						
Zinc			ND	mg/L	0.001						

Prepared by Billings, MT Branch

Work Order: B25060950 Report Date: 06/19/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytic	al Run:	HGCV205-B ₋	_250618A
Lab ID:	ICV-200540	Initi	ial Calibratio	n Verifica	tion Standard					06/18/	25 10:55
Mercury			0.00205	mg/L	0.00010	103	90	110			
Lab ID:	CCV1	Cor	ntinuing Cal	bration Ve	erification Standar	d				06/18/	25 11:00
Mercury			0.00245	mg/L	0.00010	98	95	105			
Lab ID:	ccv	Cor	ntinuing Cal	bration Ve	erification Standar	d				06/18/	25 13:41
Mercury			0.00228	mg/L	0.00010	91	90	110			
Method:	E245.1									Batcl	h: 200668
Lab ID:	MB-200668	Met	thod Blank				Run: HGCV	′205-B_250618A	١	06/18/	25 13:29
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-200668	Lab	oratory Cor	trol Samp	ole		Run: HGCV	/205-B_250618 <i>A</i>	١	06/18/	25 13:31
Mercury			0.00190	mg/L	0.00010	95	85	115			
Lab ID:	B25060859-002GMS	Sar	mple Matrix	Spike			Run: HGCV	′205-B_250618 <i>A</i>	١	06/18/	25 13:35
Mercury			0.00191	mg/L	0.00010	95	70	130			
Lab ID:	B25060859-002GMSI) Sar	mple Matrix	Spike Dup	olicate		Run: HGCV	/205-B_250618 <i>A</i>	١	06/18/	25 13:37
Mercury			0.00189	mg/L	0.00010	94	70	130	1.1	30	



Prepared by Casper, WY Branch

 Work Order:
 B25060950

 Report Date:
 06/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	26-11707
Lab ID: LCS-RA226-11707	3 Lab	ooratory Cor	trol Sample			Run: TENN	ELEC-4_250613	D	06/23/	/25 10:05
Radium 226		10	pCi/L		103	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.17	pCi/L							
Lab ID: MB-RA226-11707	3 Me	thod Blank				Run: TENN	ELEC-4_250613	D	06/23/	/25 10:05
Radium 226		0.03	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25060231-004EDUF	3 Sar	mple Duplica	ate			Run: TENN	ELEC-4_250613	D	06/23/	/25 10:05
Radium 226		0.032	pCi/L					64	30	UR
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							

⁻ Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.20.

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711



QA/QC Summary Report

Prepared by Casper, WY Branch

 Work Order:
 B25060950

 Report Date:
 06/30/25

Analyte	Count	Result	Units	RL %REC Low Limit Hig	gh Limit RPD	RPDLimit	Qual
Method: RA-05						Batch: RA	228-7673
Lab ID: LCS-228-RA228-767	3 3 Lab	oratory Cor	ntrol Sample	Run: TENNELE	C-4_250613B	06/18/	25 13:10
Radium 228		9.2	pCi/L	99 70	130		
Radium 228 precision (±)		2.4	pCi/L				
Radium 228 MDC		0.90	pCi/L				
Lab ID: MB-228-RA228-7673	3 Me	thod Blank		Run: TENNELE	C-4_250613B	06/18/	25 13:10
Radium 228		-0.4	pCi/L				U
Radium 228 precision (±)		0.5	pCi/L				
Radium 228 MDC		0.9	pCi/L				
Lab ID: B25060950-001HDUI	3 Sar	mple Duplica	ate	Run: TENNELE	C-4_250613B	06/18/	25 13:10
Radium 228		0.40	pCi/L		36	30	UR
Radium 228 precision (±)		0.72	pCi/L				
Radium 228 MDC		1.2	pCi/L				

⁻ Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.12.

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Work Order Receipt Checklist

Linkan Engineering

B25060950

Login completed by:	Crystal M. Jones		Date	Received: 6/11/2025
Reviewed by:	ysmith		Re	eceived by: NLA
Reviewed Date:	6/12/2025		Ca	rrier name: Return-FedEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Present
Custody seals intact on all s	ample bottles?	Yes	No 🗌	Not Present ✓
Chain of custody present?		Yes 🗸	No 🗌	
Chain of custody signed who	en relinquished and received?	Yes 🗸	No 🗌	
Chain of custody agrees with	n sample labels?	Yes 🗹	No 🗌	
Samples in proper container	/bottle?	Yes 🗹	No 🗌	
Sample containers intact?		Yes 🗹	No 🗌	
Sufficient sample volume for	r indicated test?	Yes 🗹	No 🗌	
All samples received within I (Exclude analyses that are c such as pH, DO, Res CI, Su	onsidered field parameters	Yes √	No 🗌	
Temp Blank received in all s	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Applicable
Container/Temp Blank temp	erature:	8.6°C Blue Ice		
Containers requiring zero he bubble that is <6mm (1/4").	adspace have no headspace or	Yes 🗌	No 🗌	No VOA vials submitted ✓
Water - pH acceptable upon	receipt?	Yes 🗹	No 🗌	Not Applicable

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

Work Order Receipt Checklist - Continued

Linkan Engineering

B25060950

pH < 2.

The bottle order attached to the chain of custody indicates total suspended solids and chemical oxygen demand analyses. These are not needed per phone conversation with Chris Prosper on 06/12/25. CMJ 06/12/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number		
	Alaska	17-023		
	California	3087		
	Colorado	MT00005		
	Department of Defense (DoD)/ISO17025	ADE-2588		
Billings, MT	Florida (Primary NELAP)	E87668		
	Idaho	MT00005		
d	Louisiana	05079		
ANAB	Montana	CERT0044		
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04		
TESTING LABORATORY	Nevada	NV-C24-00250		
ACCRE	North Dakota	R-007		
ALL THE STREET	National Radon Proficiency	109383-RMP		
TNI	Oregon	4184		
BORATON	South Dakota	ARSD 74:04:07		
	Texas	TX-C24-00302		
	US EPA Region VIII	Reciprocal		
	USDA Soil Permit	P330-20-00170		
	Washington	C1039		
	Alaska	20-006		
	California	3021		
	Colorado	WY00002		
	Florida (Primary NELAP)	E87641		
	Idaho	WY00002		
Casper, WY	Louisiana	05083		
cusper, vv i	Montana	CERT0002		
WAS ACCREDING	Nebraska	NE-OS-08-04		
TNI	Nevada	NV-C24-00245		
LABORATORY.	North Dakota	R-125		
	Oregon	WY200001		
	South Dakota	WY00002		
	Texas	T104704181-23-21		
	US EPA Region VIII	WY00002		
	USNRC License	49-26846-01		
	Washington	C1012		
Gillette, WY	US EPA Region VIII	WY00006		
	Colorado	MT00945		
Helena, MT	Montana	CERT0079		
	Nevada	NV-C24-00119		
	US EPA Region VIII	Reciprocal		
	USDA Soil Permit	P330-20-00090		



Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account	Account Information (Billing information)		&[_	port Inf	ormatio	n (if differe	Report Information (if different than Account Information)	ount Inform	ation)	Ī	Comments		
Company/Name Linkan	e Linkan		Con	Company/Name Linkan	Linkan						Outfall 001A	- Bi-W	Outfall 001A - Bi-Weekly Sample
Contact	Chris Prosper		Contact	tact	Alex So	Alex Schwiebert							
Phone	775-777-8003		Phone	ne	775-397-6779	6119-							
Mailing Address	s 2720 Ruby Vista Dr		Mail	Mailing Address		2720 Ruby Vista Dr	۵				Please emai	Repo	Please email Report and EDD results to:
City, State, Zip	Elko, NV 89801		City,	City, State, Zip	Elko, N	Elko, NV 89801					chris.prosper@linkan.com	r@link	an.com
Email	AP@linkan.com		Email	=	see col	see comments					adam.billin@linkan.com	Jinkan Jinkan	com
Receive Invoice	e □Hard Copy ■Email Receive Report □Hard Copy ■Email	t ⊟Hard Copy ■En		eive Report	Receive Report	py EEmai	_				alex.scriwlebert@illikan.com beter havs@state.co.us	State c	INSTITUTE OF THE STATE OF THE S
Purchase Order 25-0152	r Quote H17287	Bottle Order タライス	Spec	Special Report/Formats: ☐ LEVEL IV ☐NEL	AC AC	EDD/EDT	■ EDD/EDT (contact laboratory) □ Other.	atory) 🗆 Ot	her				
Project Information	formation			Matrix Codes	Codes			Analy	Analysis Requested	ested			
Project Name,	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	Mine		A- Air	<u>.</u>		əlc		3				All turnaround times are
Sampler Name	Bruch Act Mole Sampler Phone	7/238	16.169		Water Soils/	wn	veral		Blue		wni		standard unless marked as RUSH.
Sample Origin	op			o >	Solids			ally			Rad		Energy Laboratories MUST be contacted prior to
URANIUM MINING (Unprocessed Ore Processed Ore (G	URANIUM MINING CLIENTS MUST Indicate sample type Unprocessed Ore Processed Ore (Ground or Refined) **CALL BEFORE SENDING 11(e)Z Byproduct Material (Can ONL'Y be Submitted to ELI Casper Location)	Pe SENDING ELI Casper Location		0 - 0 DW - 0	Bioassay Oil Drinking Water	alent Ch	R IstoT ,	s, Potenti ved	de, WAD	metric m 226, D	+ 9 <mark>7</mark> 7 w	httached	RUSH sample submittal for charges and scheduling – See Instructions Page
	Sample Identification	Collection	1151	Number of Containers	Matrix (See Codes			detal lossi		inolo	uibe? 82		RUSH ELI LAB ID
	(Name, Location, Interval, etc.)	Date	ıme		Above				Ī	5			TAT Laboratory Use Only
1 Outfall 001A	01A	(0/10/25	1450	K	3							•	3250ro980
2					7							•	
3										_			
4													
s,													
9													
7													
80													
o.													
E	ELI is REQUIRED to provide preservative traceability. If	ative traceability.		servatives	supplied v	ith the bo	tle order w	vere NOT	used, plea	se attacl	your preserva	tive infor	the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.
Custody Record	Relinquished by (print)	(a/10/45/S	Signature Signature	THE BOAT	4		Received by (print)	(print)	8	ă	Date/Time	S	Signature
MUST be signed	Relinquished by (print)		Signature	nre#	_	1	(SSO P)	Laborate	Laborator (Mint) have	-	Stolling	000	Signature
					LABORA	LABORATORY USE ONLY	ONLY	CALCALLESS OF		30		Trick (Name	
Shipped By	Cooler ID(s) Custody Seals	Intact Y N	Receipt Temp °C	Temp Blank	Blank	On Ice ≺	2	Payme Cash C	Payment Type th Check	,	Amount \$	Receip	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Trust our People. Irust our Data. www.energylab.com

Billings, MT 406.252.6325 . Casper, WY 307.235.0515 . Gillette, WY 307.686.7175 . Helena, MT 406.442.0711

BOTTLE ORDER 193742





SHIPPED

Linkan Engineering

Contact: Chris Prosper

400 Corporate Circle, Suite H

Golden CO 80401

(719) 247-0564 Phone:

Schwartzwalder Mine-Outfall 001A Monthly + Weekly Project:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

Quote Used: 17287

VIA: Ground

1	E D	ō	Samp
			Notes
			Preservative
Critical	I	5 5 1	lime
		F	lests
		Mathon	Metriod
Bottles	Per	0	Samp
		Bottle Cize/Type	Douge Sizer I ype

Outfall 001A Weekly COD (4 Sets)	500 mL Plastic 1 E410.4 Chemical Oxygen Demand 1 H2SO4
-----------------------------------	--

HACH 8000 Preparation for COD testing HACH 8000

Outfall 001A Three Times Weekly TSS (1)	Times Week	dy TSS (12 Sets)		
1 Liter Plastic Wide Mouth	1 A2540 D	Solids, Total Suspended	Fill to the neck of the container.	-

Outfall 001A Bi-Weekly (2 Sets)	ekly (2 Sets)					
250 mL Plastic	1 A3500-Cr B	A3500-Cr B Chromium, Hexavalent	24.00 hrs			_
	E300.0	Anions by Ion Chromatography				
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	7
250 mL Plastic	1 E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HNO3		-
¥	Calculation	Calculation Chromium, Total Recoverable Trivalent				
	E245.1	Mercury, Total				
	E200.2	Metals Digestion by E200.2				
2.0	E245.1	Mercury Digestion by E245.1				

BO#: 193742

1 of 2

500 mL Amber Plastic 1250 mL Plastic 1 Gallon Plastic	1 E200.7_8	Metals by ICP/ICPMS, Potentially Dissolved	HNO3		7
Plastic					_
Plastic	MCAWW	Preparation, Potentially Dissolved Filtration			
	1 Kelada-01	Cyanide, Weak Acid Dissociable	HOEN		1
	1 A4500-S D	1 A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headenace	- ,
			NaOH		-
	1 E903.0	Radium 226, Dissolved	HNO3	Filter before presentation	1
1 Gallon Plastic	1 A7500-RA	Radium 226 + Radium 228	HNO3	This may what sometimes are a series	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			
Extra Weekly Supplies					
1 Liter Plastic Wide 2	2 A2540 D	Solids, Total Suspended		Fill to the neck of the container.	+
500 mL Plastic 1	1 E410.4	Chemical Oxygen Demand	H2804		
Comments					-
HNO3 - Nitric Acid H2	H2SO4 - Sulfuric Acid	ic Acid NaOH - Sodium Hydroxide	Wost	The state of the s	
ZnAc - Zinc Acetate HCI Acid	HCI - Hydrochloric Acid		shippe	shipped the same day as they are collected.	ted.
Material Safety Data Sheets(MS Corrosive Chemicals: Nitric, Sulfuric, Ph.	DS) Available	Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant	ice		
Subcontracting of sample analyses to an ou	utside laboratory r	Subcontracting of sample analyses to an outside laboratory may be required. If so Energy I aboratories will willing to Energy I			
aboratories will be indicated within the Labo	oratory Analytical	Report.	oratories or qualified	contract laboratories for this service. Any such	



ANALYTICAL SUMMARY REPORT

July 14, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061882 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 6/20/2025 for analysis.

Lab ID	Client Sample ID	Collect Date Receive Da	te Matrix	Test
B25061882-001	Outfall 001A	06/19/25 14:40 06/20/25	5 Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorimetr

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Billings, MT **406.252.6325** • Casper, WY **307.235.0515** Gillette, WY **307.686.7175** • Helena, MT **406.442.0711**

Report Date: 07/14/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25061882 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/14/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 06/19/25 14:40

 Lab ID:
 B25061882-001
 DateReceived:
 06/20/25

 Client Sample ID:
 Outfall 001A
 Matrix:
 Aqueous

					MCL/	
Analyses	Result	Units	Qualifiers	RL	QCL Method	Analysis Date / By
INORGANICS						
Chloride	0.6	mg/L	J	1	E300.0	06/22/25 00:38 / caa
Sulfate		mg/L	ŭ	1	E300.0	06/22/25 00:38 / caa
Fluoride		mg/L		0.1	E300.0	06/22/25 00:38 / caa
Cyanide, Weak Acid Dissociable		ug/L		1	Kelada-01	06/20/25 13:42 / fap
Sulfide		mg/L		0.04	A4500-S D	06/20/25 16:21 / pmw
METALS, DISSOLVED						
Chromium, Hexavalent	ND	ug/L		10	A3500-Cr B	06/20/25 12:12 / jks
Iron	6	ug/L	J	20	E200.8	06/24/25 02:28 / aem
Manganese	0.3	ug/L	J	1	E200.8	06/24/25 02:28 / aem
METALS, POTENTIALLY DISSOLVED						
Cadmium	ND	ug/L		1	E200.8	06/27/25 03:11 / aem
Copper	0.1	ug/L	JL	0.5	E200.8	06/29/25 04:29 / jks
Nickel		ug/L	J	5	E200.8	06/27/25 03:11 / aem
Selenium	0.1	ug/L	J	1	E200.8	06/29/25 04:29 / jks
Silver		ug/L	L	0.04	E200.8	06/27/25 03:11 / aem
Zinc	ND	ug/L		10	E200.8	06/28/25 09:09 / jks
METALS, TOTAL RECOVERABLE						
Arsenic	10	ug/L		1	E200.8	06/27/25 00:13 / aem
Chromium		ug/L		5	E200.8	06/27/25 17:55 / jks
Chromium, Trivalent		ug/L		10	Calculation	07/01/25 08:42 / bap
Iron		ug/L	J	20	E200.8	06/27/25 00:13 / aem
Uranium	6.8	ug/L		0.3	E200.8	06/27/25 17:55 / jks
METALS, TOTAL						
Antimony	ND	ug/L		1	E200.8	06/27/25 00:13 / aem
Boron	170	ug/L		50	E200.7	06/25/25 18:31 / enb
Mercury		ug/L		0.1	E245.1	06/24/25 14:11 / mjb
Thallium	ND	ug/L		0.5	E200.8	06/27/25 17:55 / jks
RADIONUCLIDES - DISSOLVED						
Radium 226	0.03	pCi/L	U		E903.0	06/30/25 16:24 / eli-ca
Radium 226 precision (±)		pCi/L			E903.0	06/30/25 16:24 / eli-ca
Radium 226 MDC	0.2	pCi/L			E903.0	06/30/25 16:24 / eli-ca
RADIONUCLIDES - TOTAL						
Radium 226		pCi/L	U		E903.0	07/08/25 14:55 / eli-ca
Radium 226 precision (±)		pCi/L			E903.0	07/08/25 14:55 / eli-ca
Radium 226 MDC		pCi/L			E903.0	07/08/25 14:55 / eli-ca
Radium 228		pCi/L	U		RA-05	07/03/25 12:32 / eli-ca
Radium 228 precision (±)		pCi/L			RA-05	07/03/25 12:32 / eli-ca
Radium 228 MDC		pCi/L			RA-05	07/03/25 12:32 / eli-ca
Radium 226 + Radium 228	0.7	pCi/L	U		A7500-RA	07/11/25 13:24 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit

Definitions:

QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL) U - Not detected MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

L -Lowest available reporting limit for the analytical method used and/or volume submitted

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711



LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/14/25Project:Schwartzwalder MineCollection Date:06/19/25 14:40Lab ID:B25061882-001DateReceived:06/20/25Client Sample ID:Outfall 001AMatrix:Aqueous

				MCL/		
Analyses	Result Units	Qualifiers	RL	QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.8 pCi/L				A7500-RA	07/11/25 13:24 / eli-ca
Radium 226 + Radium 228 MDC	1.2 pCi/L				A7500-RA	07/11/25 13:24 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

Sample Matrix Spike Duplicate

mg/L

0.102

Report Date: 07/01/25

06/20/25 12:12



Work Order: B25061882

B25061882-001AMSD

Lab ID:

Chromium, Hexavalent

QA/QC Summary Report

Prepared by Billings, MT Branch

RL %REC Low Limit High Limit Analyte Count Result Units **RPD RPDLimit** Qual Analytical Run: SPEC3_250620A Method: A3500-Cr B Lab ID: CCV Continuing Calibration Verification Standard 06/20/25 12:12 104 0.010 Chromium, Hexavalent 0.104 mg/L 90 110 Method: A3500-Cr B Batch: R444502 Lab ID: **MBLK** Method Blank Run: SPEC3_250620A 06/20/25 12:12 Chromium, Hexavalent ND mg/L 0.003 Lab ID: LCS Laboratory Control Sample Run: SPEC3 250620A 06/20/25 12:12 Chromium, Hexavalent 0.101 mg/L 0.010 101 90 110 B25061882-001AMS Lab ID: Sample Matrix Spike Run: SPEC3 250620A 06/20/25 12:12 Chromium, Hexavalent 0.106 mg/L 0.010 106 80 120

0.010

102

Run: SPEC3 250620A

120

80



Prepared by Billings, MT Branch

 Work Order:
 B25061882
 Report Date:
 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-S D								Analytical F	Run: SPEC3	_250620C
Lab ID:	CCV	Co	ntinuing Cal	ibration Verification	on Standa	rd				06/20	/25 16:21
Sulfide			0.498	mg/L	0.040	100	90	110			
Method:	A4500-S D									Batch:	R444568
Lab ID:	MBLK	Me	thod Blank				Run: SPEC	3_250620C		06/20	/25 16:21
Sulfide			ND	mg/L	0.01						
Lab ID:	LCS	Lab	ooratory Co	ntrol Sample			Run: SPEC	3_250620C		06/20	/25 16:21
Sulfide			0.204	mg/L	0.040	106	85	115			
Lab ID:	B25061768-001DMS	Sai	mple Matrix	Spike			Run: SPEC	3_250620C		06/20	/25 16:21
Sulfide			0.197	mg/L	0.040	103	70	130			
Lab ID:	B25061768-001DMSI	D Sai	mple Matrix	Spike Duplicate			Run: SPEC	3_250620C		06/20	/25 16:21
Sulfide			0.196	mg/L	0.040	102	70	130	0.2	20	

Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical I	Run: IC N	IETROHM 1	_250619A
Lab ID:	ICV	3 Ini	tial Calibratio	on Verification	n Standard					06/19/	/25 11:38
Chloride			25.3	mg/L	1.0	101	90	110			
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.23	mg/L	0.10	99	90	110			
Lab ID:	ccv	3 Co	ntinuing Cal	ibration Verif	ication Standa	rd				06/21/	/25 22:10
Chloride			25.7	mg/L	1.0	103	90	110			
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.25	mg/L	0.10	100	90	110			
Method:	E300.0									Batch:	R444488
Lab ID:	ICB	3 Me	thod Blank				Run: IC ME	TROHM 1_250	619A	06/19/	/25 11:55
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.5						
Fluoride			ND	mg/L	0.01						
Lab ID:	LFB	3 La	boratory For	tified Blank			Run: IC ME	TROHM 1_250	619A	06/19/	/25 12:11
Chloride			24.8	mg/L	1.0	99	90	110			
Sulfate			103	mg/L	1.1	103	90	110			
Fluoride			1.28	mg/L	0.10	102	90	110			
Lab ID:	B25061873-002AMS	3 Sa	mple Matrix	Spike			Run: IC ME	TROHM 1_250	619A	06/21/	/25 22:59
Chloride			29.9	mg/L	1.0	104	90	110			
Sulfate			184	mg/L	1.1	103	90	110			
Fluoride			1.43	mg/L	0.10	102	90	110			
Lab ID:	B25061873-002AMSD) 3 Sa	mple Matrix	Spike Duplic	ate		Run: IC ME	TROHM 1_250	619A	06/21/	/25 23:16
Chloride			30.4	mg/L	1.0	106	90	110	1.4	20	
Sulfate			187	mg/L	1.1	106	90	110	1.5	20	
Fluoride			1.46	mg/L	0.10	104	90	110	1.8	20	

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

				•							
Work	Order: B25061882							Repoi	rt Date	: 07/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	: Kelada-01							Analyti	ical Run	: SFA-202-B	_250620
Lab ID:	ICV	Init	ial Calibratio	on Verificat	ion Standard					06/20	/25 11:54
Cyanide,	, Weak Acid Dissociable		0.00966	mg/L	0.0010	97	90	110			
Lab ID:	ccv	Coi	ntinuing Cal	ibration Ve	rification Standar	rd				06/20	/25 12:50
Cyanide,	, Weak Acid Dissociable		0.0109	mg/L	0.0010	109	90	110			
Method:	: Kelada-01									Batch:	R44453
Lab ID:	ICB	Me	thod Blank				Run: SFA-2	202-B_250620A		06/20	/25 11:56
Cyanide,	, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID:	LCS1-ZnCN	Lab	ooratory Cor	ntrol Sampl	e		Run: SFA-2	202-B_250620A		06/20	/25 12:00
Cyanide,	, Weak Acid Dissociable		0.0107	mg/L	0.0010	107	90	110			
Lab ID:	B25061579-001GMS	Sar	mple Matrix	Spike			Run: SFA-2	202-B_250620A		06/20	/25 12:18
Cyanide,	, Weak Acid Dissociable		0.0104	mg/L	0.0010	104	80	120			
Lab ID:	B25061579-001GMSI	D Sar	mple Matrix	Spike Dup	licate		Run: SFA-2	202-B_250620A		06/20	/25 12:22
Cyanide,	, Weak Acid Dissociable		0.0109	mg/L	0.0010	109	80	120	4.2	10	
Lab ID:	LFB	Lab	ooratory For	tified Blank			Run: SFA-2	202-B_250620A		06/20	/25 12:44
Cyanide,	, Weak Acid Dissociable		0.0110	mg/L	0.0010	110	90	110			

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061882 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Ana	lytical Ru	n: ICP205-B ₋	_250625B
Lab ID:	ICV	Co	ntinuing Cal	ibration Verif	ication Standar	d				06/25/	/25 13:49
Boron			2.55	mg/L	0.10	102	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Verif	ication Standar	d				06/25/	/25 18:29
Boron			2.56	mg/L	0.10	102	90	110			
Method:	E200.7									Batc	h: 200879
Lab ID:	MB-200879	Me	thod Blank				Run: ICP20	5-B_250625B		06/25/	/25 18:07
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-200879	Lab	ooratory Cor	ntrol Sample			Run: ICP20	5-B_250625B		06/25/	/25 18:08
Boron			1.07	mg/L	0.10	107	85	115			
Lab ID:	B25061876-001DMS3	Sai	mple Matrix	Spike			Run: ICP20	5-B_250625B		06/25/	/25 18:25
Boron			1.12	mg/L	0.050	112	70	130			
Lab ID:	B25061876-001DMSD	3 Sai	mple Matrix	Spike Duplic	ate		Run: ICP20	5-B_250625B		06/25/	/25 18:26
Boron			1.08	mg/L	0.050	108	70	130	4.2	20	

Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8					-		Analytica	l Run: I	CPMS207-B	_250627A
Lab ID:	QCS	3 Initi	ial Calibratio	on Verification	Standard					06/28/	/25 03:30
Copper			0.0388	mg/L	0.010	97	90	110			
Selenium			0.0402	mg/L	0.0050	100	90	110			
Zinc			0.0391	mg/L	0.0050	98	90	110			
Lab ID:	CCV	3 Cor	ntinuing Cal	ibration Verifi	cation Standar	d				06/28/	/25 08:11
Copper			0.0474	mg/L	0.010	95	90	110			
Selenium			0.0500	mg/L	0.0050	100	90	110			
Zinc			0.0475	mg/L	0.0050	95	90	110			
Lab ID:	QCS	3 Initi	ial Calibratio	on Verification	n Standard					06/29/	/25 02:03
Copper			0.0398	mg/L	0.010	99	90	110			
Selenium			0.0397	mg/L	0.0050	99	90	110			
Zinc			0.0392	mg/L	0.0050	98	90	110			
Lab ID:	CCV	3 Cor	ntinuing Cal	ibration Verifi	cation Standar	d				06/29/	/25 03:43
Copper			0.0475	mg/L	0.010	95	90	110			
Selenium			0.0488	mg/L	0.0050	97	90	110			
Zinc			0.0482	mg/L	0.0050	96	90	110			
Method:	E200.8									Batch:	R444978
Lab ID:	LRB	3 Me	thod Blank				Run: ICPMS	S207-B_250627	Ą	06/27/	/25 11:19
Copper			ND	mg/L	0.00005						
Selenium			ND	mg/L	0.00003						
Zinc			ND	mg/L	0.001						
Lab ID:	LFB	3 Lab	oratory For	tified Blank			Run: ICPMS	S207-B_250627	A	06/27/	/25 11:36
Copper			0.0455	mg/L	0.010	91	85	115			
Selenium			0.0477	mg/L	0.0050	95	85	115			
Zinc			0.0470	mg/L	0.0050	94	85	115			
Lab ID:	MB-200823	3 Me	thod Blank				Run: ICPM	S207-B_250627	Ą	06/28/	/25 08:52
Copper			0.0001	mg/L	0.00005						
Selenium			ND	mg/L	0.00003						
Zinc			0.001	mg/L	0.001						
Lab ID:	B25062399-006BMS	3 Sar	mple Matrix	Spike			Run: ICPMS	S207-B_250627	A	06/28/	/25 14:56
Copper			0.0458	mg/L	0.0050	88	70	130			
Selenium			0.0468	mg/L	0.0010	93	70	130			
Zinc			0.0471	mg/L	0.010	91	70	130			
Lab ID:	B25062399-006BMSD	3 Sar	mple Matrix	Spike Duplica	ate		Run: ICPMS	S207-B_250627	A	06/28/	/25 15:14
Copper			0.0445	mg/L	0.0050	86	70	130	2.9	20	
Selenium			0.0466	mg/L	0.0010	92	70	130	0.4	20	
Zinc			0.0460	mg/L	0.010	88	70	130	2.5	20	
Lab ID:	MB-200823	3 Me	thod Blank				Run: ICPMS	S207-B_250627	A	06/29/	/25 04:24
Copper			0.0003	mg/L	0.00005						
Coppei											

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25061882 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R444978
Lab ID:	MB-200823	3 Me	thod Blank				Run: ICPMS	S207-B_250627A		06/29/	25 04:24
Zinc			ND	mg/L	0.001						
Lab ID:	B25061189-001BMS	3 Sa	mple Matrix	Spike			Run: ICPMS	S207-B_250627A		06/29/	25 08:46
Copper			0.224	mg/L	0.0050	89	70	130			
Selenium			0.734	mg/L	0.0010	100	70	130			
Zinc			0.537	mg/L	0.010	89	70	130			
Lab ID:	B25061189-001BMSD	3 Sa	mple Matrix	Spike Duplicate	е		Run: ICPMS	S207-B_250627A		06/29/	25 08:52
Copper			0.231	mg/L	0.0050	92	70	130	2.8	20	
Selenium			0.743	mg/L	0.0010	99	70	130	1.2	20	
Zinc			0.534	mg/L	0.010	85	70	130	0.5	20	

Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

WOIK O	ider. B23001002							Keport	Date.	07/01/23	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD F	RPDLimit	Qual
Method:	E200.8							Analytical	Run: ICI	PMS208-B_	_250625B
Lab ID:	QCS	3 Init	ial Calibration	on Verifica	ation Standard					06/26/	25 18:52
Antimony			0.0414	mg/L	0.0050	104	90	110			
Arsenic			0.0377	mg/L	0.0050	94	90	110			
Iron			0.199	mg/L	0.020	100	90	110			
Lab ID:	ccv	3 Co	ntinuing Cal	ibration V	erification Standa	rd				06/26/	25 23:02
Antimony			0.0500	mg/L	0.0050	100	90	110			
Arsenic			0.0462	mg/L	0.0050	92	90	110			
Iron			1.18	mg/L	0.020	90	90	110			
Method:	E200.8									Batch	n: 200879
Lab ID:	MB-200879	6 Me	thod Blank				Run: ICPM	S208-B_250625B		06/26/	25 19:28
Antimony			ND	mg/L	0.0004						
Arsenic			ND	mg/L	0.0002						
Chromium			ND	mg/L	0.0005						
Iron			ND	mg/L	0.006						
Thallium			ND	mg/L	0.0003						
Uranium			ND	mg/L	0.00003						
Lab ID:	LCS4-200879	6 Lat	ooratory Co	ntrol Sam	ple		Run: ICPM	S208-B_250625B		06/26/	25 19:46
Antimony			0.101	mg/L	0.0050	101	85	115			
Arsenic			0.0923	mg/L	0.0010	92	85	115			
Chromium			0.0900	mg/L	0.0010	90	85	115			
Iron			0.494	mg/L	0.010	99	85	115			
Thallium			0.109	mg/L	0.0010	109	85	115			
Uranium			0.101	mg/L	0.00030	101	85	115			
Lab ID:	B25061875-001EMS4	6 Sa	mple Matrix	Spike			Run: ICPM	S208-B_250625B		06/26/	25 23:43
Antimony			0.102	mg/L	0.0010	102	70	130			
Arsenic			0.127	mg/L	0.0010	98	70	130			
Chromium			0.0931	mg/L	0.0050	93	70	130			
Iron			10.9	mg/L	0.020		70	130			Α
Thallium			0.105	mg/L	0.0010	105	70	130			
Uranium			24.0	mg/L	0.00030		70	130			Α
Lab ID:	B25061875-001EMSD	04 6 Sa	mple Matrix	Spike Du	plicate		Run: ICPM	S208-B_250625B		06/26/	25 23:49
Antimony			0.0996	mg/L	0.0010	100	70	130	2.4	20	
Arsenic			0.122	mg/L	0.0010	93	70	130	4.2	20	
Chromium			0.0890	mg/L	0.0050	89	70	130	4.6	20	
Iron			10.9	mg/L	0.020		70	130	0.1	20	Α
Thallium			0.103	mg/L	0.0010	103	70	130	2.2	20	
Uranium			23.1	mg/L	0.00030		70	130	4.0	20	Α
				-							

Qualifiers:

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated



Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

Trust our People. Trust our Data. www.energylab.com

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS209-B_	_250623A
Lab ID:	QCS	2 Initi	ial Calibratio	on Verifica	tion Standard					06/23/	/25 20:02
Iron			0.200	mg/L	0.020	100	90	110			
Manganes	se		0.195	mg/L	0.0050	97	90	110			
Lab ID:	CCV	2 Cor	ntinuing Cal	ibration Ve	erification Standar	d				06/24/	/25 02:11
Iron			1.26	mg/L	0.020	97	90	110			
Manganes	se		0.0480	mg/L	0.0050	96	90	110			
Method:	E200.8									Batch:	R444636
Lab ID:	LRB	2 Me	thod Blank				Run: ICPMS	S209-B_250623A		06/23/	/25 11:40
Iron			ND	mg/L	0.001						
Manganes	se		ND	mg/L	0.00007						
Lab ID:	LFB	2 Lab	oratory For	tified Blanl	k		Run: ICPMS	S209-B_250623A		06/23/	/25 20:29
Iron			4.76	mg/L	0.020	95	85	115			
Manganes	se		0.0452	mg/L	0.0050	90	85	115			
Lab ID:	B25061815-001AMS	2 Sar	mple Matrix	Spike			Run: ICPMS	S209-B_250623A		06/24/	/25 01:28
Iron			4.97	mg/L	0.020	99	70	130			
Manganes	se		0.0505	mg/L	0.0010	92	70	130			
Lab ID:	B25061815-001AMSD	2 Sar	mple Matrix	Spike Dup	olicate		Run: ICPMS	S209-B_250623A		06/24/	/25 01:33
Iron			4.90	mg/L	0.020	98	70	130	1.4	20	
Manganes	se		0.0487	mg/L	0.0010	88	70	130	3.6	20	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

								- 1			
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: IO	CPMS209-B_	_250625B
Lab ID:	QCS	3	Initial Calibration	on Verifica	tion Standard					06/26/	/25 23:47
Cadmium			0.0198	mg/L	0.0010	99	90	110			
Nickel			0.0384	mg/L	0.0050	96	90	110			
Silver			0.0201	mg/L	0.0050	100	90	110			
Lab ID:	CCV	3 (Continuing Cali	ibration Ve	erification Standa	rd				06/27/	/25 02:26
Cadmium			0.0468	mg/L	0.0010	94	90	110			
Nickel			0.0453	mg/L	0.0050	91	90	110			
Silver			0.0192	mg/L	0.0050	96	90	110			
Method:	E200.8									Batch:	R444817
Lab ID:	LRB	3 1	Method Blank				Run: ICPM	S209-B_250625B		06/25/	/25 14:02
Cadmium			0.00001	mg/L	9E-6						
Nickel			ND	mg/L	0.00006						
Silver			5E-6	mg/L	3E-6						
Lab ID:	LFB	3 [Laboratory For	tified Blan	k		Run: ICPM	S209-B_250625B		06/25/	/25 14:19
Cadmium			0.0466	mg/L	0.0010	93	85	115			
Nickel			0.0451	mg/L	0.0050	90	85	115			
Silver			0.0188	mg/L	0.0050	94	85	115			
Lab ID:	MB-200823	3 1	Method Blank				Run: ICPM	S209-B_250625B		06/27/	/25 02:21
Cadmium			8E-6	mg/L	7E-6						
Nickel			0.0002	mg/L	0.00006						
Silver			ND	mg/L	5E-6						
Lab ID:	B25061882-001DMS	3 9	Sample Matrix	Spike			Run: ICPM	S209-B_250625B		06/27/	/25 03:16
Cadmium			0.0452	mg/L	0.0010	90	70	130			
Nickel			0.0432	mg/L	0.0050	86	70	130			
Silver			0.0182	mg/L	0.0010	91	70	130			
Lab ID:	B25061882-001DMSE	3 9	Sample Matrix	Spike Du	olicate		Run: ICPM	S209-B_250625B		06/27/	/25 03:22
Cadmium			0.0470	mg/L	0.0010	94	70	130	4.0	20	
Nickel			0.0440	mg/L	0.0050	88	70	130	1.8	20	
Silver			0.0190	mg/L	0.0010	95	70	130	4.3	20	

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

 Work Order:
 B25061882
 Report Date:
 07/01/25

 Analyte
 Count
 Result
 Units
 RL
 %REC
 Low Limit
 High Limit
 RPD
 RPDLimit
 Qual

 Method:
 E200.8
 Analytical Run: ICPMS209-B_25062

Method: E200.8						Analytical Rur	n: ICPMS209-B_250627A
Lab ID: QCS	3 Initial Calibration	on Verification	on Standard				06/27/25 13:39
Chromium	0.0400	mg/L	0.010	100	90	110	
Thallium	0.0419	mg/L	0.0050	105	90	110	
Uranium	0.0433	mg/L	0.00030	108	90	110	
Lab ID: CCV	3 Continuing Cal	ibration Veri	fication Standard	d			06/27/25 17:22
Chromium	0.0491	mg/L	0.010	98	90	110	
Thallium	0.0488	mg/L	0.0050	97	90	110	
Uranium	0.0514	mg/L	0.00030	103	90	110	

 Method:
 E200.8
 Batch: 200879

 Lab ID:
 MB-200879
 3 Method Blank
 Run: ICPMS209-B_250627A
 06/27/25 16:50

 Chromium
 ND mg/L
 0.0003

 $\begin{array}{ccccc} \text{Chromium} & & \text{ND} & \text{mg/L} & 0.0003 \\ \text{Thallium} & & \text{ND} & \text{mg/L} & 0.00008 \\ \text{Uranium} & & \text{ND} & \text{mg/L} & 0.00001 \end{array}$

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061882 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytic	al Run: l	HGCV203-B	_250624A
Lab ID:	ICV-200839	Initi	al Calibratio	n Verifica	tion Standard					06/24/	25 12:51
Mercury			0.00201	mg/L	0.00010	101	90	110			
Lab ID:	CCV1	Cor	ntinuing Cal	ibration Ve	erification Standar	rd				06/24/	25 12:54
Mercury			0.00250	mg/L	0.00010	100	95	105			
Lab ID:	ccv	Cor	ntinuing Cal	ibration Ve	erification Standar	rd				06/24/	25 14:07
Mercury			0.00251	mg/L	0.00010	100	90	110			
Method:	E245.1									Batcl	h: 200857
Lab ID:	MB-200857	Met	thod Blank				Run: HGCV	′203-B_250624 <i>F</i>	Ą	06/24/	25 13:38
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-200857	Lab	oratory Cor	ntrol Samp	ole		Run: HGCV	′203-B_250624 <i>A</i>	Ą	06/24/	25 13:40
Mercury			0.00207	mg/L	0.00010	104	85	115			
Lab ID:	B25061934-001BMS	Sar	mple Matrix	Spike			Run: HGCV	′203-B_250624 <i>F</i>	Ą	06/24/	25 14:15
Mercury			0.00201	mg/L	0.00010	100	70	130			
Lab ID:	B25061934-001BMSI) Sar	nple Matrix	Spike Dup	olicate		Run: HGCV	/203-B_250624 <i>A</i>	A	06/24/	25 14:16
Mercury			0.00217	mg/L	0.00010	109	70	130	7.8	30	



QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25061882							Repo	rt Date:	07/11/25	
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	226-11718
Lab ID: LCS-RA226-11718	3 Lat	ooratory Co	ntrol Sample			Run: TENN	ELEC-4_25062	4A	06/30	/25 14:01
Radium 226		12	pCi/L		118	70	130			
Radium 226 precision (±)		1.9	pCi/L							
Radium 226 MDC		0.24	pCi/L							
Lab ID: MB-RA226-11718	3 Me	thod Blank				Run: TENN	ELEC-4_25062	4A	06/30	/25 14:01
Radium 226		0.03	pCi/L							U
Radium 226 precision (±)		0.2	pCi/L							
Radium 226 MDC		0.3	pCi/L							
Lab ID: C25060318-005DDU	P 3 Sa	mple Duplic	ate			Run: TENN	ELEC-4_25062	4A	06/30	/25 14:01
Radium 226		90	pCi/L					3.3	30	
Radium 226 precision (±)		14	pCi/L							
Radium 226 MDC		0.26	pCi/L							
- The RER result is 0.15.										
Method: E903.0									Batch: RA2	226-1172
Lab ID: LCS-RA226-11723	3 Lat	ooratory Co	ntrol Sample			Run: TENN	ELEC-4_25063	0C	07/08	/25 10:04
Radium 226		9.3	pCi/L		93	70	130			
Radium 226 precision (±)		1.5	pCi/L							
Radium 226 MDC		0.17	pCi/L							
Lab ID: MB-RA226-11723	3 Me	thod Blank				Run: TENN	ELEC-4_25063	0C	07/08	/25 10:04
Radium 226		0.1	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: B25061882-001HDU	P 3 Sa	mple Duplic	ate			Run: TENN	ELEC-4_25063	0C	07/08	/25 14:55
Radium 226		0.012	pCi/L					170	30	UR
Radium 226 precision (±)		0.11	pCi/L							
Radium 226 MDC		0.19	pCi/L							

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Report Date: 07/11/25

U

QA/QC Summary Report

Prepared by Casper, WY Branch

Analyte Count Result Units RL %REC Low Limit High Limit RPD RPDLimit Qual Method: **RA-05** Batch: RA228-7691 Lab ID: LCS-228-RA226-11723 3 Laboratory Control Sample Run: TENNELEC-4 250630A 07/03/25 12:32

112

70

130

Radium 228 10 pCi/L Radium 228 precision (±) 2.7 pCi/L Radium 228 MDC pCi/L 1.1

Work Order: B25061882

MB-RA226-11723 Lab ID: 3 Method Blank Run: TENNELEC-4 250630A 07/03/25 12:32

Radium 228 pCi/L 0.4 Radium 228 precision (±) 0.6 pCi/L Radium 228 MDC pCi/L

Run: TENNELEC-4_250630A Lab ID: B25061882-001HDUP 3 Sample Duplicate 07/03/25 12:32

Radium 228 0.31 81 30 UR pCi/L

Radium 228 precision (±) 0.64 pCi/L Radium 228 MDC 1.0 pCi/L

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

⁻ Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.43.

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Crystal M. Jones

B25061882

Date Received: 6/20/2025

Reviewed by:	cindy		Re	eceived by: NLA	
Reviewed Date:	6/21/2025		Ca	rrier name: Return-FedEx NDA	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all s	hipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present	
Custody seals intact on all s	ample bottles?	Yes	No 🗌	Not Present ✓	
Chain of custody present?		Yes ✓	No 🗌		
Chain of custody signed wh	en relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees wit	h sample labels?	Yes ✓	No 🗌		
Samples in proper container	/bottle?	Yes ✓	No 🗌		
Sample containers intact?		Yes ✓	No 🗌		
Sufficient sample volume fo	r indicated test?	Yes ✓	No 🗌		
All samples received within (Exclude analyses that are c such as pH, DO, Res Cl, Sc	considered field parameters	Yes 🗹	No 🗌		
Temp Blank received in all s	shipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable	
Container/Temp Blank temp	erature:	4.6°C Blue Ice			
Containers requiring zero he bubble that is <6mm (1/4").	eadspace have no headspace or	Yes	No 🗌	No VOA vials submitted ✓	
Water - pH acceptable upon	receipt?	Yes ✓	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

Work Order Receipt Checklist - Continued

Linkan Engineering

B25061882

pH < 2. CMJ 06/20/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board ACCREDITED	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALL THE STREET	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv i	Montana	CERT0002
WAS ACCREDING	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
LABORATORY.	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account In	Account Information (Billing information)		Re	port Inf	ormatio	n (if differe	Report Information (if different than Account Information)	unt Informa	tion)		Comments		
Company/Name Linkan	Linkan		Con	Company/Name Linkar	Linkan	27.040					Outfall 001A	- Bi-W	Outfall 001A - Bi-Weekly Sample
Contact	Chris Prosper		Contact	tact	Alex So	Alex Schwiebert	2000						
Phone	775-777-8003		Phone	ne	775-397-6779	6219-1							
Mailing Address	2720 Ruby Vista Dr		Mai	Mailing Address		2720 Ruby Vista Dr	٥̈ـ				Please ema	II Repor	Please email Report and EDD results to:
City, State, Zip	Elko, NV 89801		City	City, State, Zip	Elko, N	Elko, NV 89801					chris.prosper@linkan.com	r@linka	an.com
Email	AP@linkan.com		Email	lie	see col	see comments					adam.billin@linkan.com alex schwiehert@linkan.com	glinkan. pert@lir	com
Receive Invoice	☐Hard Copy ■Email Receive Report ☐Hard Copy ■Email	☐Hard Copy ■		eive Report	□Hard C	Receive Report □Hard Copy ■Email					peter.hays@state.co.us	state.c	0.us
Purchase Order 25-0152	Quote B H17287	Bottle Order	Spec	Special Report/Formats:	ပ္န	■ EDD/EDT	■ EDD/EDT (contact laboratory) □ Other	atory) 🗆 Otl	Jer_		,		v
Project Information	rmation	,		Matrix	Matrix Codes			Analy	Analysis Requested	ested			2 2 2
Project Name, PV	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	Aine		Α- Α	Air		əld		6	į			All turnaround times are standard unless marked as
Sampler Name	Byant Heard Sampler Phone 726	E 226 -2	56-669	> 0	Water Soils/	mui	overa		enla :	pəvlo	muit		RUSH.
Sample Origin State Colorado	ate Colorado EPA/State Compliance	ompliance Yes	es 🔲 No		Solids			yllsi		ssiC	Rad	p	Energy Laboratories MUST be contacted prior to
URANIUM MININ Unprocessed (Processed Ore	URANIUM MINING CLIENTS MUST indicate sample type Unprocessed Ore Chronicossed Ore Chronicossed Ore (Ground or Refined) "CALL BEFORE SENDING 11(e) 2 Byroduct Material (Gan ONL'Y be Submitted to ELI Casper Location)	e ENDING ELI Casper Local	ion)	0 - O	Bioassay Oil Drinking Water	valent Ch s, Dissolv	s, Total R	s, Potent Ived	de, WAD	imetric Im 226, D	+ 925 mi	edostiA	RUSH sample submittal for charges and scheduling – See Instructions Page
S	Sample Identification	Colle	Collection	Number of Containers	Matrix (See Codes			Netal ossiC			Jibe 829		ELI LAB ID
1 Outfall 001A	(Name, Location, merval, etc.)	1965	0551	×	Above)				1	-		•	133
2			,	3	3							•	
8													
4													
5													
9													
7													
80							_						
6													
ELI	ELI is REQUIRED to provide preservative traceability.	ntive traceabili		servatives	supplied	with the bo	Received by (print)	vere NOT	used, plea	ise attac	ch your preserv	ative info	If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.
	Aceredo	4/3/2/1	525		1								3
MUST be signed		Date/Time	Signature	atrice			Received	V Laborator	William	MM	Reports	1035	Signature
					LABOR	LABORATORY USE ONLY	ONLY				1 1		
Shipped By	Cooler ID(s) Custody Seals		Receipt Temp		Temp Blank Y N	<u>8</u> z	8	Payme Cash C	Payment Type h Check		\$	Kecel	Keceipt Number (cashcheck only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.



BOTTLE ORDER 193742

Linkan Engineering SHIPPED TO

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

VIA: Ground

Quote Used: 17287

Num	Samp	
	Notes	
	Preservative	
Critical Hold	Time	
	Tests	
	Method	
Bottles Per	Samp	
	Bottle Size/Type	

Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Project: Phone:

Samp	Notes	Preservative	Time	Tests	Method	Samp	Bottle Size/Type
of			Hold			Per	
Num			Critical	15		Bottles	

Outrall 001A Weekly COD (4 Sets)	IN COD (4 Sets			
500 mL Plastic	1 E410.4		Chemical Oxygen Demand	12SO4	-
	HACF	H 8000 Pr	HACH 8000 Preparation for COD testing HACH 8000		

1 Liter Plastic Wide Mouth	1 A2540 D	Solids, Total Suspended	Fill to the neck of the container.	-

Outfall 001A Bi-Weekly (2 Sets)	y (2 Sets)					
250 mL Plastic	1 A3500-Cr B	A3500-Cr B Chromium, Hexavalent	24.00 hrs			-
	E300.0	Anions by Ion Chromatography				
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	-
250 mL Plastic	1 E200.7_8	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HNO3		-
	Calculation	Calculation Chromium, Total Recoverable Trivalent		8		
	E245.1	Mercury, Total	1			
	E200.2	Metals Digestion by E200.2				
	E245.1	Mercury Digestion by E245.1				

BO#: 193742

1 of 2

250 mL Plastic	1 E200.7_8	1 E200.7_8 Metals by ICP/ICPMS, Potentially Dissolved	HNO3		-
	MCAWW	Preparation, Potentially Dissolved Filtration		a a	
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		-
250 mL Plastic	1 A4500-S D	A4500-S D Sulfide, Methylene Blue Colorimetric	ZnAc	Zero headspace	-
			NaOH		
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HNO3	Filter before preservation	-
1 Gallon Plastic	1 A7500-RA	A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			

Extra Weekly Supplies	olies				
1 Liter Plastic Wide Mouth	2 A2540 D	D Solids, Total Suspended		Fill to the neck of the container.	
500 mL Plastic	1 E410.4	Chemical Oxygen Demand	H2SO4		+

Comments

	Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets	s(MSDS) Available @ Ener	Material Safety Data Sheets	
		Acid		
shipped the	H3PO4 - Phosphoric Acid	Acetate HCI - Hydrochloric	ZnAc - Zinc Acetate	
We strongly	s Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide	H2SO4 - Sulfuric Acid	HNO3 - Nitric Acid	
		LISCA CILIFILIS ACICL	TIVO VILLE CONT	

We strongly suggest that the samples are shipped the same day as they are collected.

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.



Permits and Enforcement Section Water Quality Control Division CPDHE 4300 Cherry Creek Dr. South Denver, CO 80246-1530 07/27/2025 25US0221

Re: Discharge Monitoring Report for June 2024 Schwartzwalder Mine CO0001244

TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

During the month of June 2025, there was an exceedance for Total Recoverable arsenic at Outfall 001A. Section 7 of *Amendment Number One to Compliance Order on Consent, Number: IC-150123-1*, amended the Total Recoverable arsenic value to "Report" for the 30-day average. As a new permit has not been issued and discussions with the State indicated no deviation from the "Report" only at this time.

A WET test was taken in June. This resulted in a pass.

Best regards, Linkan

Patale Daly

Patrick M. Delaney Operator Responsible in Charge (ORC) Black Fox Mining, LLC



Enclosures:

June 2025 DMR Submittal 2nd Quarter 2025 TDS Submittal 2nd Quarter 2025 WET Test Submittal

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
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Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com

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 <a href="https://www.npde.com/npack-need-to-the-

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(I)(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 #	t:	CO0001244			Permittee:			Colo	Div of Re	clamati	ion, Mining	and Safe	ety		Facili	ty:	SC	HWAR	RTZWALDER MINE	
Major:		No			Permittee Ac	ddress:			E 62 Ave er, CO 80		215				Facili	ty Location:			ENCOE VALLEY RD , CO 80402	
Permitte	ed Feature:	001 External Outfall			Discharge:			001-0 Quart	Q terly Moni	itorina f	for 002A				•					
Report	Dates & Status	- /// - //						Quar	iony ivioni	.toring i	0. 002, (
	ing Period:	From 04/01/25 to 06/30/	25		DMR Due Da	nte:		07/28	3/25						Status	s:	Ne	tDMR '	Validated	
	erations for Form Completic																			
	y monitoring - see C.15, pg 9																			
	al Executive Officer																			
First Na					Title:										Telep	hone:				
Last Na															, .					
	Indicator (NODI)																			
Form N																				
	Parameter	Monitoring Location	Season #	Param. NODI			Quant	tity or Loading	g					Quality or Conc	entration			# of E	x. Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1			Qualifier 3		Units		24/22 2 4 4	00 0 "
70005		4. 5#1			Sample Permit Req.								=	92.0 Req Mon 30DA AVG	=	92.0 Req Mon DAILY MX	19 - mg/L 19 - mg/L	0	01/90 - Quarterly 01/90 - Quarterly	CP - Composite CP - Composite
70295	Solids, total dissolved	1 - Effluent Gross	0		Value NODI													U		
Submis	sion Note																			
	meter row does not contain a	inv values for the Sample r	or Effluent	Trading, then n	none of the follo	owina fields	will be su	bmitted for t	that row:	Units. N	Number of	Excursion	ns. Frequen	cv of Analysis, and Sa	mple Type.					
	eck Errors	,		Ο,		J				,			, ,		, ,,					
No error																				
Comme																				
Attachn	nents																			
						Name	A										Туре		Size	
2025 06	_Schwartzwalder_Outfall_001A_	Cover Letter pdf				T Carri										pdf	. , po		242956.0	
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	v of Reclamation, Mining ar	iu saiety	ndolone	ey@alexcoreso	uroo oom															
User:				Delaney	urce.com															
Name: E-Mail:				belaney y@blackfoxmi	ning oom															
Date/Tin	20.				ime Zone: -06:	00)														
			2025-0	-20 10.09 (1	ille Zone00.	.00)														
	Last Signed By		ndolosa	w@alovoorooo	urco com															
User:				ey@alexcoreso Delaney	urce.com															
Name: E-Mail:				-	ning com															
E-Mail:	ne.			ey@blackfoxmi 7-28 18:14 (T	ning.com ime Zone: -06:	00)														
Date/111	IC.		2025-0	-20 10.14 (1	iiile ZulleUb.	.00)														

DMR Copy of Record

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 <a href="https://www.npde.com/npack-need-to-the-

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(I)(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 #:	C000	001244	Permitte	tee:		Colo Div o	f Reclamation, Mir	ning and Saf	ety		Facil	ity:	S	CHWAR	TZWALDER MINE	
Major:	No		Permitte	tee Address:		1001 E 62 Denver, C	Ave Room 215 O 80216				Facil	ity Location	-		NCOE VALLEY RD , CO 80402	
Permitte	d Feature: 001 Extern	nal Outfall	Dischar	rge:		001-X Chronic W	ET Testing for 00°	IA								
Report D	ates & Status															
Monitorii	ng Period: From	04/01/25 to 06/30/25	DMR Du	ue Date:		07/28/25					Statu	ıs:	N	etDMR	Validated	
Consider	rations for Form Completion										·					
Rpt lowes	st % at which statistically signif diff ir	n lethality control (LOEC) & any concent	ration less than	n or equal to th	e IWC using te	st code "S". F	pt IC25 using test	code "P". U	se test co	de "T" to report high	est % lethality rep	oorted for IC2	25 and stat signif diff	for ceric	odaphnia & pimephale	es.
Principal	Executive Officer															
First Nan	ne:		Title:								Telep	ohone:				
Last Nan	ne:										•					
No Data	Indicator (NODI)		ļ													
Form NO	DI:															
	Parameter	Monitor	ring Location S	Season # Param.	. NODI		Quantity or Loading	I		C	Quality or Concentra	ntion		# of Ex.	Frequency of Analysis	Sample Type
Code	Name	e				Qualifier 1	Value 1 Qualifier 2	Value 2 Units			Qualifier 2 Value 2	Qualifier 3 V				
					Sample					84.5			2G - tox chronic			3C - 3 Composite Samples
61426	Toxicity [chronic] Ceriodanhnia du	ıbia P - See	Comments (0	Permit Re	q.				Req Mon MN VALUE			2G - tox chronic	0	01/90 - Quarterly	3C - 3 Composite Samples

Form N	ODI:												
	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	ue 2 Units Qualifier 1	Value 1	Qualifier 2 Value 2 Qualifier 3 Va	lue 3 Units			
					Sample		=	84.5		2G - tox chronic		01/90 - Quarterly	3C - 3 Composite Samples
61426	Toxicity [chronic], Ceriodaphnia dubia	P - See Comments	0		Permit Req.			Req Mon MN VALUE		2G - tox chronic	0	01/90 - Quarterly	3C - 3 Composite Samples
01420	Toxicity [cirrotile], deriodaprima dubia	1 Occ Comments			Value NODI						Ü		
					Sample			100.0		2G - tox chronic		•	3C - 3 Composite Samples
61426	Toxicity [chronic], Ceriodaphnia dubia	S - See Comments	0		Permit Req.			Req Mon MN VALUE		2G - tox chronic	0	01/90 - Quarterly	3C - 3 Composite Samples
					Value NODI								
					Sample		=	99.5		2G - tox chronic		01/90 - Quarterly	3C - 3 Composite Samples
61400	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	P - See Comments	0		Permit Req.			Reg Mon MN VALUE		2G - tox chronic	0	01/90 - Quarterly	3C - 3 Composite Samples
61428	Toxicity [chronic], Plinephales prometas [Pathead Minnow]	P - See Comments	U		Value NODI						U		
					value NODI								
					Sample			100.0		2G - tox chronic			3C - 3 Composite Samples
61428	Toxicity [chronic], Pimephales promelas [Fathead Minnow]	S - See Comments	0		Permit Req.			Req Mon MN VALUE		2G - tox chronic	0	01/90 - Quarterly	3C - 3 Composite Samples
					Value NODI								
					Sample		=	84.2		23 - %		01/90 - Quarterly	3C - 3 Composite Samples
TOPOD	WEW 404 1 B 1 T B 01 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Permit Reg.			Reg Mon MN VALUE		22 0/			3C - 3 Composite Samples
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	P - See Comments	0								0	.,,,,	
					Value NODI								
					Sample		>	100.0		23 - %		01/90 - Quarterly	3C - 3 Composite Samples
ТСР3В	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	S - See Comments	0		Permit Req.			Req Mon MN VALUE		23 - %	0	01/90 - Quarterly	3C - 3 Composite Samples
	, ,, ,, ,, ,, ,, ,, ,, ,, ,				Value NODI								
					Sample		>	100.0		23 - %		01/90 - Quarterly	3C - 3 Composite Samples
T0000					Permit Reg.			100.0 MN VALUE		23 - %		-	3C - 3 Composite Samples
TCP3B	%Effect Static Renewal 7 Day Chronic Ceriodaphnia dubia	T - See Comments	0				,-	100.0 10114 171202		20 70	0	01/00 Quartony	oo o composite campios
					Value NODI								
					Sample		=	87.0		23 - %		01/90 - Quarterly	3C - 3 Composite Samples
TCP6C	%Effect Static Renewal 7Day Chronic Pimephales promelas	P - See Comments	0		Permit Req.			Req Mon MN VALUE		23 - %	0	01/90 - Quarterly	3C - 3 Composite Samples
	,oopopopopop				Value NODI						ŭ		
								100.0		22 0/		04/00 Overterby	20. 2 Composite Com-1
					Sample Barreit Barr					23 - %			3C - 3 Composite Samples
TCP6C	%Effect Static Renewal 7Day Chronic Pimephales promelas	S - See Comments	0		Permit Req.			Req Mon MN VALUE		23 - %	0	01/90 - Quarterly	3C - 3 Composite Samples
					Value NODI								
					Sample		=	100.0		23 - %		01/90 - Quarterly	3C - 3 Composite Samples
TCDCC	9/ Effect Static Beneval 7Dev Chronic Bimonholes	T - See Comments	0		Permit Req.		>=	100.0 MN VALUE		23 - %	0	01/90 - Quarterly	3C - 3 Composite Samples
TCP6C	%Effect Static Renewal 7Day Chronic Pimephales promelas	i - See Comments	U								U		

Submission Note

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

Edit Check Errors

No errors.

Comments

Attachments

Name

Type
Size

2025_2ndQ_Schwartzwalder_Outfall_001A_WET_Test_Results.pdf

242956.0

pdf

Report Last Saved By

Colo Div of Reclamation, Mining and Safety

2025_06_Schwartzwalder_Outfall_001A_Cover_Letter.pdf

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2025-07-28 21:46 (Time Zone: -06:00)

Report Last Signed By

User: pdelaney@alexcoresource.com

Name: Patrick Delaney

E-Mail: pdelaney@blackfoxmining.com

Date/Time: 2025-07-28 21:47 (Time Zone: -06:00)

ANALYTICAL SUMMARY REPORT

June 23, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061225 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 6/12/2025 for analysis.

Lab ID	Client Sample ID	Collect Date R	eceive Date	Matrix	Test
B25061225-001	Outfall 001A	06/09/25 14:16	06/12/25	Aqueous	Solids, Total Suspended
B25061225-002	Outfall 001A	06/11/25 14:50	06/12/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/23/25Project:Schwartzwalder MineCollection Date:06/09/25 14:16Lab ID:B25061225-001DateReceived:06/12/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES Solids, Total Suspended TSS @ 105 C	ND mg/L		10	A2540 D	06/13/25 09:44 / pjw

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:06/23/25Project:Schwartzwalder MineCollection Date:06/11/25 14:50Lab ID:B25061225-002DateReceived:06/12/25Client Sample ID:Outfall 001AMatrix:Aqueous

Analyses	Result Uni	ts Qualifiers	RL	MCL/ QCL Method	Analysis Date / By
PHYSICAL PROPERTIES					
Solids, Total Suspended TSS @ 105 C	ND mg/	L	10	A2540 D	06/13/25 09:44 / pjw
Solids, Total Dissolved TDS @ 180 C	92 mg/	L	20	A2540 C	06/13/25 14:10 / etv
AGGREGATE ORGANICS					
Oxygen Demand, Chemical (COD)	ND mg/	L	5	E410.4	06/13/25 15:12 / fap

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061225					Repo	rt Date:	06/23/25	
Analyte Cou	ınt Result l	Units RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C						E	Batch: TDS20	0250613C
Lab ID: MBLK_20250613-6	Method Blank			Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	ND I	mg/L 20						
Lab ID: LCS_20250613-4	Laboratory Contro	ol Sample		Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	929	mg/L 25	93	90	110			
Lab ID: B25061181-001ADUP	Sample Duplicate	e		Run: Bal #3	30_250613D		06/13	/25 14:09
Solids, Total Dissolved TDS @ 180 C	517	mg/L 25				0.6	10	



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061225 Report Date: 06/23/25

Analyte Co	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							I	Batch: TSS20	0250613A
Lab ID: MBLK_20250613-4	Method Blank				Run: BAL #	30_250613B		06/13/	25 09:42
Solids, Total Suspended TSS @ 105	C ND	mg/L	0.6						
Lab ID: LCS_20250613-2	Laboratory Cor	ntrol Sample			Run: BAL #	30_250613B		06/13/	/25 09:43
Solids, Total Suspended TSS @ 105	C 102	mg/L	25	102	80	120			
Lab ID: B25061153-001BDUP	Sample Duplica	ate			Run: BAL #	30_250613B		06/13/	/25 09:44
Solids, Total Suspended TSS @ 105	C 14.0	mg/L	10				9.3	10	

Work Order: B25061225

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Report Date: 06/23/25

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical F	Run: SPEC3	_250613B
Lab ID: CCV-200579	Cor	ntinuing Cal	ibration Verificat	ion Standar	d				06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	51.1	mg/L	5.0	102	90	110			
Method: E410.4									Batc	h: 200579
Lab ID: MB-200579	Me	thod Blank				Run: SPEC	3_250613B		06/13	/25 15:11
Oxygen Demand, Chem	ical (COD)	ND	mg/L	3						
Lab ID: LCS-200579	Lab	oratory Cor	ntrol Sample			Run: SPEC	3_250613B		06/13	/25 15:11
Oxygen Demand, Chem	ical (COD)	23.9	mg/L	5.0	98	90	110			
Lab ID: B25061225-	002CMS Sar	mple Matrix	Spike			Run: SPEC	3_250613B		06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	23.6	mg/L	5.0	97	90	110			
Lab ID: B25061225-	DO2CMSD Sar	mple Matrix	Spike Duplicate			Run: SPEC	3_250613B		06/13	/25 15:12
Oxygen Demand, Chem	ical (COD)	23.3	mg/L	5.0	95	90	110	1.4	10	

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Leslie S. Cadreau

B25061225

Date Received: 6/12/2025

Reviewed by:	cindy		R	eceived by: SRG	
Reviewed Date:	6/21/2025		Ca	arrier name: Return-FedEx NDA	
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗹	
Chain of custody present?		Yes 🗹	No 🗌		
Chain of custody signed whe	n relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees with	sample labels?	Yes ✓	No 🗌		
Samples in proper container/	bottle?	Yes ✓	No 🗌		
Sample containers intact?		Yes ✓	No 🗌		
Sufficient sample volume for	indicated test?	Yes 🗹	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes ✓	No 🗌		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	5.6°C Blue Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

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Chain of Custody & Analytical Request Record

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Page 1 of 1

Company/Name Linkan									(manufacture and manufacture a	1100				
	Linkan			ŏ	Company/Name Linkan	ne Linkan					Outfall	001A - W	Outfall 001A - Weekly Sample	
Contact	Chris Prosper			ŏ	Contact	Alex S	Alex Schwiebert	ب			700+	thall 20	+OuthalloolA - Buarterly TDS	Herdy TDC
Phone	775-777-8003			Ā	Phone	775-397-6779	7-6779						5	2
Mailing Address	2720 Ruby Vista Dr	4		N	Mailing Address		2720 Ruby Vista	a Dr			Please	email Re	Please email Report and EDD results to:	results to:
City, State, Zip	Elko, NV 89801			Ö	City, State, Zip	200	Elko, NV 89801				chris.pi	osper@li	chris.prosper@linkan.com	
Email	AP@linkan.com			Ē	Email	see co	see comments				adam.t	adam.billin@linkan.com alex schwiehert@linkan	adam.billin@linkan.com	
Receive Invoice	□Hard Copy ■Email Receive Report □Hard Copy ■Email	Receive Repo	ort		eceive Repo	Receive Report	opy TEm	7			peter.h	peter.havs@state.co.us	e.co.us	
Purchase Order 25-0152	Quote H17287		Bottle Order	\chi_2 \chi_2	Special Report/Formats: ☐ LEVEL IV ☐NELAC	AC	EDD/ED	(contact labor	■ EDD/EDT (contact laboratory) □ Other	16	Times	es pe	percentaling	112 Sup/12
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Sampler Name	Burent trained	Sampler Phone		7/238/6169	\$ 0	Water Soils/	bilo	P					ı	RUSH.
Sample Origin State Colorado	tate Colorado	-	EPA/State Compliance	■ Yes □ No		Solids Vegetation								Energy Laboratories MUST be contacted prior to
URANIUM MININ ☐ Unprocessed (☐ Processed Ore ☐ 11(e)2 Byprodu	URANIUM MINING CLIENTS MUST indicate sample type ☐ Unprocessed Ore ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING ☐ 11(e)2 Byproduct Material (Can ONL'Y be Submitted to ELI Casper Location)	ate sample t	ype E SENDING to ELI Casper Lo	cation)	B - O - DW -	Bioassay Oil Drinking Water	puədsng	iical Oxyg ind j Dissa jbild	Chart			,oqoc ₄₁ v	RUSH sa charges charges See In	RUSH sample submittal for charges and scheduling – See Instructions Page
S	Sample Identification (Name, Location, Interval, etc.)	Ē~	Co	Collection e Time	Number of Containers	Matrix (See Codes Above)		Dems				005	RUSH TAT	ELI LAB ID Laboratory Use Only
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In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Trust our People. Trust our Data. www.energylab.com



BOTTLE ORDER 193743

To report an issue with this order, view Safety	Data Sheets, or let us know how we are doing,	scan here or go to energylab.com/contact-us
Linkan Engineering		
SHIPPED	ĽŌ:	

Chris Prosper

400 Corporate Circle, Suite H Golden CO 80401

Contact:

(719) 247-0564

Phone:

Project:

Schwartzwalder Mine - Outfal

)	Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us
	Order Created by: Yvonna E. Smith
H	Shipped From: Billings, MT
	Ship Date: 4/17/2025
	VIA: Ground
all 001A Quarterly	Quote Used: 17287

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Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide ZnAc - Zinc Acetate HCI - Hydrochloric H3PO4 - Phosphoric Acid		1 24	1	
HCI - Hydrochloric	HNO3 - Nitric A	H2SO4 - Sulfuric Acid	NaOH - Sodiun	n Hydroxide
	ZnAc - Zinc Ace	HCI - Hydrochloric	H3PO4 - Phosp	phoric Acid

shipped the same day as they are collected We strongly suggest that the samples are

Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant. Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BO#: 193743

1 of 1







BOTTLE ORDER 193742

Linkan Engineering SHIPPED TO:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

> Project: Phone:

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us Order Created by: Yvonna E. Smith Shipped From: Billings, MT Ship Date: 4/17/2025

VIA: Ground

Quote Used: 17287

Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly	fine-Outfi	all 001A Month	hly + Weekly			Quote Used: 1/28/	
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Mouth			_	

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	E3(0.00	E300.0 Anions by Ion Chromatography				Į,
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250 mL Plastic	1 E2(8_7.00	E200.7_8 Metals by ICP/ICPMS, Total Recoverable		HNO3		
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- 2:	E2.	E245.1	Mercury Digestion by E245.1				

BO#: 193742

1 of 2



July 2, 2025

Jared Buck
Linkan Engineering
400 Corporate Circle Suite H
Golden, CO 80401

Dear Jared:

Enclosed is the report for chronic biomonitoring tests performed for Linkan Engineering on effluent from the Schwartzwalder Mine 001A outfall. There was no statistically significant toxicity to either test species at any effluent concentration. The effluent passes WET (Whole Effluent Toxicity) testing requirements for this sampling period.

If you have any questions or concerns, please do not hesitate to contact me at (303) 661-9324.

Best regards,

Ethan White

Aquatic Toxicologist II

REPORT OF CHRONIC BIOMONITORING TESTS CONDUCTED FOR LINKAN ENGINEERING ON EFFLUENT FROM THE SCHWARTZWALDER MINE 001A OUTFALL

Prepared for:

Jared Buck
Linkan Engineering
400 Corporate Circle Suite H
Golden, CO 80401

Prepared by:

Ethan White
SeaCrest Group
500 S Arthur Ave. Suite 450
Louisville, Colorado 80027-3065
(303) 661-9324

July 2, 2025

SCG Project No.: 525317.B Project: Quarterly WET

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Client: Linkan Engineering Site: 001A SCG Project No.: 525317.B Project: Quarterly WET CO-0001244

Chronic Toxicity Test Summary

	7-day static renewal using <i>Ceriodaphnia dubia</i>
Test:	7-day static renewal using fathead minnow (<i>Pimephales promelas</i>)
Client:	Linkan Engineering
Test Procedure	Ceriodaphnia dubia: EPA/821/R-02-013. Method 1002.0 (2002)
Followed:	fathead minnow: EPA/821/R-02-013. Method 1000.0 (2002)
Sample Number:	525317.B
Dilution Water:	moderately hard laboratory reconstituted water
Test Organism Source:	SeaCrest Group
Reference Toxicant:	Sodium Chloride

Sample	Time of Collection	Date of Collection	Time of Receipt	Date of Receipt
Effluent 1	1330	06-23-2025	1600	06-23-2025
Effluent 2	1400	06-24-2025	1530	06-24-2025
Effluent 3	1400	06-25-2025	1620	06-25-2025

	Ceriodaphnia dubia	fathead minnow
Test Initiation Time	1145	1620
Test Initiation Date	06-24-2025	06-23-2025
Test Completion Time	1205	1520
Test Completion Date	06-30-2025	06-30-2025

Test Concentrations:

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B **Site: 001A Project: Quarterly WET**

Abstr	act with Results
	Control (0%), 20%, 40%, 60%, 80%, 100%
	10 for <i>Ceriodaphnia dubia</i>

Number of Organisms/Concentration: 40 for fathead minnow

10 for Ceriodaphnia dubia

Replicates at each Concentration: 4 for fathead minnow

	Ceriodaphnia dubia	fathead minnow
Test vessel size/Exposure volume	30ml/15ml	500ml/200ml
Lethal LOEL/LC25	>100%/>100%	>100%/>100%
Pass/Fail Status	PASS	PASS
Temperature Range (°C)	24.1 - 25.9	24.1 - 25.9
Dissolved Oxygen Range (mg/L)	6.4 - 8.0	3.8 - 8.1
pH Range	7.7 - 8.6	7.6 - 8.2
	Control (Cerio/FHM)	Effluent Sample
Hardness (mg/L as CaCO ₃)	96/100	0/0/2
Alkalinity (mg/L as CaCO ₃)	62/63	75/79/85
Total residual chlorine (mg/L)	< 0.01	<0.01/<0.01/0.02
Total ammonia (mg/L as NH ₃)	< 0.03	0.03/<0.03/<0.03

CO-0001244 SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

INTRODUCTION

Biomonitoring provides an effective means by which the toxicity of discharges from municipal, industrial, and mining operations can be tested. Among the advantages of biomonitoring is the ability to test complex effluents containing a broad range of contaminants. Biomonitoring, when used in conjunction with chemical analyses, can generate data capable of identifying a much wider range of contaminants.

The Colorado Water Quality Control Division requires certain NPDES permittees to perform acute and/or chronic biomonitoring tests. The chronic test measures significant differences in lethality and in reproduction (Ceriodaphnia dubia) or growth (fathead minnow – Pimephales promelas) between control and effluent-exposed organisms.

The present report discusses the results of chronic biomonitoring tests conducted on effluent from the Linkan Engineering Schwartzwalder Mine 001A discharge. These tests were conducted in accordance with EPA and State of Colorado procedures in June 2025.

MATERIALS AND METHODS

Sample Collection

Two gallons of the effluent were collected on three separate dates as specified in Permit CO-0001244. Samples were delivered chilled to the SeaCrest lab where they were held at 0-6°C. Chain of custody forms showing sample collection and laboratory arrival times are included (Appendix 1).

Dilution Water

Laboratory reconstituted water was used as both the dilution water source and the control for the tests. Reconstituted water for the Ceriodaphnia dubia test was produced by adding sodium bicarbonate, calcium sulfate, magnesium sulfate, potassium chloride, and sodium selenate to deionized water. Reconstituted water for the fathead minnow test was produced by adding sodium bicarbonate, calcium sulfate, magnesium sulfate, and potassium chloride to deionized water.

Test Organisms

The biomonitoring test used *Ceriodaphnia dubia*, cultured in the SeaCrest laboratory. The organisms are cultured in brood culture boards from which individual females are monitored for survival and reproduction for periods of up to two weeks. Neonates less than 24-hours old, released from third or subsequent broods of eight or more within an 8-hour period, are collected from the brood chambers and used in tests. The animals are fed daily with a mixture of Yeast, Cereal Leaves, and Trout Chow (YCT), produced in-house. This is supplemented with cultured green algae (Selenastrum capricornutum) provided by Aquatic Biosystems.

Less than one-day-old fathead minnow, cultured in the laboratory, were also used in the test. Adult fish are maintained in 10-gallon aquaria where females deposit their eggs on the under-surface of split PVC pipe sections. The eggs are collected daily and transferred to aerated containers where they hatch after three to four days. The larval fish are fed newly hatched brine shrimp (Artemia sp.) at least twice per day.

CO-0001244 SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

In-house organisms are tested monthly in a reference toxicant test using sodium chloride to monitor overall health and test reproducibility. (Appendix 4).

Test Procedures

Upon receipt at the lab, samples were analyzed for alkalinity, ammonia, chlorine, conductivity, dissolved oxygen, hardness, and pH.

Methods used in chemical analysis

Alkalinity	EPA 310.2	Hach 8203	I-2030-85.2
Ammonia	SM4500-NH ₃ , C-E1997	ASTM D1426-08	
Chlorine	SM4500-Cl D	Hach 10026	
Conductivity	SM2510		
Dissolved Oxygen	SM4500-O	Electrode: G-2001	Winkler (QC): B-F-2001
Hardness	SM2340 B or C	Hach 8213	
pН	SM4500-H+ B-2000		

The test followed procedures in EPA³ and CDPHE⁴ guidelines. Exposure concentrations included control (0%), 20%, 40%, 60%, 80%, and 100% mixtures, diluted with moderately hard laboratory reconstituted water.

Individual Ceriodaphnia dubia were placed in 30ml plastic containers containing approximately 15ml of exposure medium. Ten replicates at each concentration were used. The animals were fed daily with the YCT mixture and an equal volume of the green algae (Selenastrum capricornutum). The exposure medium was changed daily in each container and the number of young released overnight were counted and recorded. Young were removed from the containers daily and discarded. Routine measurements were made each day of temperature, dissolved oxygen, and pH before and after the water changes.

Fathead minnow were exposed in 500ml plastic cups to which 250ml of media was replaced daily. Four replicates were used at each concentration. Ten fish, less than 24-hours old, were placed in each cup. The fish were monitored daily for survival and fed live brine shrimp at least twice per day. After seven days, the fish were removed from the cups, euthanized with isopropyl alcohol, and then placed in aluminum pans and dried in an oven for a minimum of six hours at 100°C. The pans were then weighed on a five-place analytical balance to determine the average dry weight of the fish from each replicate.

Data Analysis

Data from the tests were analyzed on a personal computer using the CETIS program (developed by Tidepool Scientific Software). Statistical tests used in the analyses are shown in Table 1. Test acceptability was determined using control survival and reproduction/growth criteria, concentration-response relationships, and percent minimum significant differences (USEPA 5,6).

Table 1. Statistical methods used in testing for significant differences in test parameters.

Variance	Distribution				
Bartlett Equality of Variance Test	Shapiro-Wilk W Normality Test				

Statistical Difference						
Species	Survival	Growth	Reproduction	IC ₂₅		
Ceriodaphnia dubia	Fisher Exact/Bonferroni- Holm Test	N/A	Steel Many-One Rank Sum Test	ICp		
fathead minnow	Steel Many-One Rank Sum Test	Dunnett Multiple Comparison Test	N/A	ICp		

RESULTS

Ceriodaphnia dubia Test Results

Test results for the *Ceriodaphnia dubia* are summarized in Table 2 and provided on the data sheets located in Appendix 2. Survival was 0% in the 100% effluent and ranged from 90-100% in the remaining effluent concentrations. Control survival was 100%. Statistically significant lethality was measured in the 100% effluent concentration when compared to the control. The LOEL (Lowest Observed Effect Level) for lethality was >100% and the LC₂₅ (Lethal Concentration 25) for lethality was 84.5%.

Average number of neonates was 0.4 in the 100% effluent concentration and ranged from 24.9-28.5 in the remaining effluent concentrations. Average number of neonates in the control was 25.3 for statistical analyses and test acceptability criteria. Statistically significant differences in the number of neonates were found between the control and the 100% effluent concentration. The LOEL for reproduction was >100% and the IC_{25} (Inhibition Concentration 25) for reproduction was 84.2%.

Table 2. Summary of *Ceriodaphnia dubia* test results. An asterisk (*) denotes a statistically significant difference from the control.

	Domoont	Maan			Significant Difference		
Concentration	Percent Survival	Mean Neonates	Min.	Max.	Lethality	Reprod.	
Control (0%)	100	25.3	16	34			
20%	100	28.5	23	32			
40%	90	24.9	0	39			
60%	100	25.3	16	35			
80%	100	26.3	20	31			
100%	0	0.4	0	3	*	*	

SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

Fathead Minnow Test Results

Fathead minnow results are summarized in Table 3 and are provided on data sheets in Appendix 3. Survival was 72.5% in the 100% effluent concentration and ranged from 95% – 97.5% in the remaining effluent concentrations. Control survival was 97.5%. No statistically significant lethality was measured in any effluent concentration when compared to the control. The LOEL (Lowest Observed Effect Level) for lethality was >100% and the LC₂₅ (Lethal Concentration 25) for lethality was 99.5%.

Average weight in the 100% effluent concentration was 0.233mg and ranged from 0.553mg - 0.586mg per individual in the remaining effluent concentrations. Average weight for the control fish was 0.587mg for statistical analyses and test acceptability criteria. Statistically significant differences for growth were measured in the 100% effluent concentration when compared to the control. The LOEL for growth was 100% and the IC₂₅ for growth was 87%.

Table 3. Summary of fathead minnow test results. An asterisk (*) denotes a statistically significant difference from the control.

significant unicidate from the control.						
	Percent	Average			Significant	Difference
Concentration	Survival	Weight (mg)	Min.	Max.	Lethality	Growth
Control (0%)	98	0.587	0.544	0.644		
20%	95	0.586	0.564	0.614		
40%	98	0.565	0.442	0.675		
60%	98	0.562	0.522	0.610		
80%	98	0.553	0.501	0.601		
100%	73	0.233	0.151	0.308		*

Test Acceptability

Acceptable control survival (80%) was achieved in both tests. Similarly, Ceriodaphnia dubia reproduction (average 15 neonates/organism) and fathead minnow growth (average 0.250mg/test container) in control organisms met required levels. PMSD was within the required limits for an acceptable test (Table 4).

Table 4. PMSD for chronic test parameters.

Tuble 4. This Distribute test parameters.							
	fathead min	now growth	C. dubia rep	oroduction			
	Lower bound	Upper bound	Upper bound				
PMSD	12	30	13	47			
(% Minimum significant difference)	16	5	23.	3			

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B Site: 001A Project: Quarterly WET

DISCUSSION

A failed test for this discharge occurs when there is a statistical difference and LC₂₅ less than the IWC (Instream Waste Concentration) of 100%. The LOEL represents the lowest effluent concentration at which a statistically significant effect is observed. The LC₂₅ represents an estimate of the effluent concentration that would cause a 25 percent reduction in survival. Since there was no statistically significant differences meeting this criterion, the effluent passes WET (Whole Effluent Toxicity) testing for this sampling period.

REFERENCES

- 1. **Hach Chemical Company.** 2008. *Hach's Water Analysis Handbook*. Fifth Edition. Hach Chemical Company, Loveland, Colorado. Digital Medium.
- 2. **APHA/AWWA/WEF.** 1998. *Standard Methods for the Examination of Water and Wastewater*. 20th Edition. American Public Health Association, Washington, D.C.
- 3. **USEPA.** 2002. Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. EPA-821-R-02-013. 335 pp.
- 4. **CDPHE** (Colorado Department of Public Health and Environment). 1998. *Laboratory Guidelines for Conducting Whole Effluent Toxicity Tests.* Water Quality Control Division.
- 5. **USEPA.** 2000. Method of Guidance and Recommendations for Whole Effluent Toxicity (WET) Testing (40 CFR Part 136). EPA/821/B-00/004.
- 6. **USEPA**. 2000. Understanding and Accounting for Method Variability in Whole Effluent Toxicity Applications under the National Pollutant Discharge Elimination System Program. EPA/833/R-00/003.

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B Site: 001A Project: Quarterly WET

Appendix 1 – Chain of Custody with Sample Receipt Forms

Client: Linkan Engineering Site: 001A SCG Project No.: 525317.B Project: Quarterly WET CO-0001244

CO-0001244

SCG Project No.: 525317.B Project: Quarterly WET

	SeaCrest Group Louisville, CO	7. B Sa	ample Re	eceipt F	orm		Effective	Form #: 42 e: January 2024
	Project # 525	48			Sample	#-		
	Date: 0(0 23 25	2		_	Initials:	HT		
	Samples Were:							
	1. FedEx UP Notes:	S	Courier	(Hand De	elivery	(circle	one)
	2. Chilled to Ship					Ambier	nt Chilled	
	Cooler Received Bro Notes:	ken or Leaking				Υ	N	NA
	Sample Received Br Notes:	oken or Leaking				Υ	N	
	5. Received Within 36h Notes:	r Holding Time				Y	N	
	6. Aeration necessary					Υ	$\widehat{\mathbb{N}}$	
	7. pH adjustment neces	sary				Υ	\bigcirc N	
	8. Sample Received at Notes: Samu	Temperature be		°C.		Υ	N	NA
	9. Description of Sample Effluent: (1/2	e (Color, Odor, a	and/or Pre	sence of	Particulate	Matter):	:	
	Receiving: () Presence of r	rative species:				Υ	N	
525	213 n d =	0.0. pH	Cond					
	Custody Seals:							
	1. Present on Outer Pac	9		Υ	N)			
	2. Unbroken on Outer P	ackage		Υ	N	(NA)		
	3. Present on Sample			Υ	N			
	4. Unbroken on Sample			Υ	N	NA		

SeaCrest Group 12

Ν

Custody Documentation (Chain of Custody):

1. Present Upon Receipt of Sample

SCG Project No.: 525317.B

Site: 001A **Project: Quarterly WET** (303) 661.9324 - FAX (303) 661.9325 500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027 Total Volume Other (List Below) @ linken.com @ linkan.com Number of Containers state. 6.45 Received By (2) Daphnia magna Daphnia pulex Other Analysis (List Below) applicable) adam. billin peter. hays a BOD/COD (Circle) Coliform (Total/Fecal/E-Coli) (Circle) Analysis (Check all Oil and Grease Chromium III/VI (Circle) Date/Time (wol98 tziJ) snoinA Solids (TS/TDS/TSS) (Circle) Relinquished By (2) Metals (List Below) Email results Cerio daphnia WET: PTI/TIE/TRE (Indicate Below) CHAIN OF CUSTODY Se WET: Accelerated (Indicate Below) WET: Chronic (Indicate Below) Test Species: Teathead Minnow Special Instructions/Comments: WET: Acute (Indigate Below) \$25**3**1子。B# Schryavewaldo Min E-Mail: alex. schwiebetchia 1980 Lab ID Received By (1) Comp Comp Grab/ Sampler: Sryan 9071 Time FAX 1-2 Day 6-9 Day Client/Project Name: Linkow Turnaround Requirements (Analytical Testing Only) Date PDF X Relinquished By (1) Standard (10 days) Sample Location or ID 27.30 Mail Requested Report Date: P. O./Project Number: Alex 3-5 Day

SeaCrest Group 13

Phone # **719**

Address: Contact:

Report By:

Fax #

SCG Project No.: 525317.B Project: Quarterly WET

Sea	Crest Grou	p
Louis	sville, CO	

Sample Receipt Form

Form #: 42 Effective: January 2024

Samples 1. FedEx	062425		Courier		Sample # Initials:	E	(circle c	one)
2. Chilled	to Ship					Ambier	t Chilled	
	Received Notes:	Broken or Leaking				Υ		NA
	Received	d Broken or Leaking				Υ	(N)	
	ed Within Notes:	36hr Holding Time				Y	N	
6. Aeration	n necessa	ary				Υ	(N)	
7. pH adju	ıstment ne	ecessary				Υ	N	
8. Sample	Received Notes: S_{ω}	d at Temperature be	tween 0-6° () .		Υ	N	NA
I	9. Description of Sample (Color, Odor, and/or Presence of Particulate Matter): Effluent: \lambda \text{W} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
		of native species:				Υ	N	

Lab#	Temp	D.O.	рН	Cond
317,842	10.5	7.2	7.8	158

Custody Seals:

1. Present on Outer Package	Υ	(A)	
2. Unbroken on Outer Package	Υ	N	NA
3. Present on Sample	Υ	OD	
4. Unbroken on Sample	Υ	N	NA

Custody Documentation (Chain of Custody):

1. Present Upon Receipt of Sample

Q N

2

SCG Project No.: 525317.B Project: Quarterly WET

Client: Linkan Engineering Site: 001A

661.9325				s	nənis			odmuM V lstoT	x 20al	3				st Below)					Date/Time
500 S. Arthur Avenue, Unit 450 - Louisville, CO 80027 (303) 661.9324 - FAX (303) 661.9325	Analysis (Check all applicable)	Oil and Grease Coliform (Total/Fecal/E-Coli) (Circle) BOD/COD (Circle) Other Analysis (List Below)									Daphnia magna Daphnia pulex Other (List Below)	chris prosperalintan-com	adam. billing Inton-com	Derv. navs & state. co. us	Received By (2)	Signature Date			
	(Check		Chromium III/VI (Circle)									a magna	-p.08	nar		Je Je			
	nalysis			(elɔɹiː			100000	sbilo2 snoinA						Daphni	chvis.	rdam	\$	(2)	Date/Time
	Ar							sletaM						_		-	1	Relinduished By (2)	
			WET: Accelerated (Indicate Below) WET: PTI/TIE/TRE (Indicate Below)									Cerio daphnia	Resu		Kelind				
		WET: Acute (Indicate Below) WET: Chronic (Indicate Below)				2						wa!	as well			Signature			
	ing)		NV 89801	E-Mail: alex. schwiebota lintera	Acousto	2000	Lab ID	5253178的					Test Species: Teathead Minnow	Special Instructions/Comments: Resulfs to:	M			Date/Time
	de M				chwiebo	Russet A		Grab/ Comp	Como	5				st Species:	ecial Instru	WETH	3	Received By (1)	
	Schwartzwalde Mine			Dr Elko	ilialex.s	Sampler:	□ FAX	Time	1400					- Je		1-2 Day 4		Kece	, are
ENVIRONMENTAL SERVICES LABORATORY	-	-	ichut.		F-Ma	Samp	N POF	Date	C/25/25					uirements 18 Only)					ime Signature
MEN I AL JENVILLE LAUN	Client/Project Name: (intan	umber:	Contact: Alex Schwiebert	Address: 2720 Ruby Vista	Phone #735-397-(3-74		Mail		00/4					Turnaround Requirements (Analytical Testing Only)	Standard (10 days)		ort Date:	Kelinquisnea by (1)	Date/Time
The state of the s	ient/Project	P. O./Project Number:	intact: Ale	ddress: 27	Le #32	Fax #	Report By:	Sample Location or ID	Juffall c			,		Ē	Standa	3-5 Day	Requested Report Date:	kelind	Signature

CO-0001244

SCG Project No.: 525317.B Project: Quarterly WET

Υ

SeaCrest Louisville,		Sa	mple Receipt F	Form #: 4. Effective: January 202			
Project # Date: Samples 1. FedEx	06252 Were:		Courier	Sample : Initials:	EW	(circle or	- -
	Notes:			Tidild Bo		(011010)	10)
2. Chilled	to Ship				Ambient	Chilled	
3. Cooler	Received Notes:	Broken or Leaking			Υ	N	NA
4. Sample	e Received Notes:	Broken or Leaking			Υ	(N)	
5. Receiv	ed Within 3 Notes:	36hr Holding Time			(F)	N	
6. Aeratio	n necessa	ry			Υ	N	
7. pH adjı	ustment ne	ecessary	*		Υ	N	
8. Sample		at Temperature bet	ween 0-6° C .		Υ	N	NA
9. Descrip	otion of Sar Effluent:C	mple (Color, Odor, a	nd/or Presence of	Particulate	Matter):		

Temp	D.O.	pН	Cond
10.8	7.8	7.8	151
	Temp	Temp D.O.	Temp D.O. pH

Presence of native species:

Receiving:N/A

Custody Seals:

cucion, coulo.			
1. Present on Outer Package	Υ	(N)	
2. Unbroken on Outer Package	Υ	Ň	NA
3. Present on Sample	Υ	N	
4. Unbroken on Sample	Υ	N	NA

Custody Documentation (Chain of Custody):

Present Upon Receipt of Sample
 N

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B Site: 001A Project: Quarterly WET

Appendix 2 – Data Sheets for the Ceriodaphnia dubia Test

CO-0001244 SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

WET TEST REPORT FORM – CHRONIC

Permittee: Linkan Engineering-Schwartzwalder Mine

Permit No.: CO-0001244

Outfall: 001A – IWC: 100%

Test Type: Routine | Accelerated Screen

Test Species: Ceriodaphnia dubia

Test Start Time	Test Start Date	Test End Time	Test End Date
1145	06-24-2025	1205	06-30-2025

Test Results	Lethality/TCP3B	Reproduction/TKP3B
S code: LOEL	100%	100%
	PASS	N/A
P code: LC ₂₅ /IC ₂₅	84.5%	84.2%
	PASS	N/A
T code:	100%	100%

Test Summary

		1 656 5	annina j			
Measurements	Control (0%)	20%	40%	60%	80%	100%
Exposed organisms	10	10	10	10	10	10
Survival for day 1	10	10	10	10	10	10
Survival for day 2	10	10	10	10	10	6
Survival for day 3	10	10	9	10	10	2
Survival for day 4	10	10	9	10	10	0
Survival for day 5	10	10	9	10	10	0
Survival for day 6	10	10	9	10	10	0
Mean 3 Brood Total	25.3	28.5	24.9	25.3	26.3	0.4

Hardness (mg/L) – Receiving Water: N/A Effluent: 0/0/2 Recon Water: 96 Alkalinity (mg/L) – Receiving Water: N/A Effluent: 75/79/85 Recon Water: 62

Chlorine (mg/L) – Effluent: <0.01/<0.01/0.02 pH (initial/final) – Control: 7.9/8.3 100%: 7.8/7.8

Total Ammonia as NH₃ (mg/L) - Effluent: 0.03/<0.03/<0.03

Were all Test Conditions in Conformance with Division Guidelines? YES NO

If **NO**, list deviations from test specifications: N/A

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Haley West, Cat Cash, Hannah Tiede, and Katie Maranowski

Signature *Date* July 2, 2025

Site: 001A

SCG Project No.: 525317.B **Project: Quarterly WET**

SeaCre Louisvil	est Group lle, CO)	c	eriodaphnia	a Chronic B	enchsheet			Form #: 1 : March 2	
Permittee	e: Liv	ikan Er	meen	cin9	Lab#: らえ	5317,B	Site:	A100		
IWC %:	100		plate #: 5	Dilution	Water: M LI	26- NIH	Sample Date:		5	=
Age & So			3694a9		et Start (2)	125 1146		260500		-
1900 To 2000 TO 2000		11011	300190) 16.	st Start. WOW	1000 11-15) Test Ella	DUDUA	100	
Test Con								,	_	=
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	0	0	0	1	0	13	1/0		34	1
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5	0	0	0	5	D	9	12		20	1
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	0	0	0	4.	4	8			16]
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Temp pH	948	8.2 8.0	8.0 8.1	13.9 25.7	25.8 24.1	10591269 1611 718	853		25.3	1
Cond	31	3/2	30.0	318	327	214	330		00.0	1
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	0	0	0	3	0	6	14		23	1
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pH	7.8	6.3 7.8	8.18.1	8.3 80	8.0 7.8	059659	8.4		749	
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Cond	かりひ	UCD	600	238	233	201	248			ı

CO-0001244 SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

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Temp	2018	359 355 6,4 7,7	15.2 5.3	259 257	25.824-1	159 105 C	LASISI			Ue.3
pH	12.70	014111		8.518.0	8.2 7.8	83.70	6'8	2		CQ. J
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nitials	PM	KM	76	+h/	HT	KKA	V	1		
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ardness		D		0		7	_	96		1
lkalinity		75		19	5	5		102		1
hlorine		0.01	60	.01	0.	02		20.01		1
mmonia	0	0.03	20.	0.3	(0.03		20.03	2	1
1517	500 0	A							NII.	•
	ure Cham		Feeding Sch				Inits:			
	Capacity: 3		Fed dai			DO: mg/L		ess: mg/L		
al Solut	tion Volum	e: 15mL	Food used: YC	T, Algae		Temp: °C		ity: mg/L		
						pH: N/A		ne: mg/L		
0						Cond: µS/cm	Ammo	nia: mg/L		
Comn	nents.									
							×	:y:z = board	d #:row:co	olumn
	T									
1	2		3	4	5	6	7	8	9	10
A I	A3		3 14 A			6 8 A		دى دى	9 CQ	10

SeaCrest Group **20**

CC

Site: 001A

Report Date: 30 Jun-25 15:55 (p 1 of 1) **CETIS Analytical Report** 525317cd / 11-5089-2388 Test Code/ID: Ceriodaphnia 7-d Survival and Reproduction Test SeaCrest Group Analysis ID: 06-7225-8130 Endpoint: 7d Survival Rate **CETIS Version: CETIS v2.1.6** Analysis: STP 2xK Contingency Tables Analyzed: 30 Jun-25 15:54 Status Level: MD5 Hash: 26D148ECA29703B9A09023057D92E2A4 000-346-492-2 Edit Date: 30 Jun-25 0:00 Editor ID: Batch ID: 19-1490-5435 Test Type: Reproduction-Survival (7d) Analyst: Mod-Hard Synthetic Water Protocol: EPA/821/R-02-013 (2002) Diluent: Start Date: 24 Jun-25 Ending Date: 30 Jun-25 Species: Ceriodaphnia dubia Brine: Not Applicable Branchiopoda In-House Culture Source: Test Length: 6d 0h Taxon: Age: NOEL TOEL **Tox Units Data Transform** LOEL C > T 100 89.44 1.2 Untransformed Fisher Exact/Bonferroni-Holm Test Control Conc-% Test Stat P-Type P-Value Decision(a:5%) 1.0000 Non-Significant Effect Dilution Water 20 1.0000 Exact Non-Significant Effect 1.0000 40 0.5000 Exact 60 1.0000 Exact 1.0000 Non-Significant Effect 80 1.0000 Exact 1.0000 Non-Significant Effect Significant Effect 100* 0.0000 Exact 2.7E-05 Test Acceptability Criteria **TAC Limits** Attribute Test Stat Lower Upper Overlap Decision Control Resp Passes Criteria 0.8 Yes >> 7d Survival Rate Frequencies Conc-% Code NR + R Prop NR Prop R %Effect 0 10 0 1.0000 0.0000 0.00% 10 1.0000 0.0000 0.00% 20 10 0 10 40 9 10 0.9000 0.1000 10.00% 60 10 0 10 1.0000 0.0000 0.00% 10 10 1.0000 0.0000 0.00% 80 0

7d Survival Rate Summary

100

0

10

10

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%
20		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
40		10	0.9000	0.6738	1.0000	1.0000	0.0000	1.0000	0.1000	35.14%	10.00%
60		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
80		10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000	0.00%	0.00%
100		10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		100.00%

0.0000

1.0000

100.00%

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst: EW QA:

SCG Project No.: 525317.B

Project: Quarterly WET

CO-0001244

Client: Linkan Engineering SCG Project No.: 525317.B **Site: 001A Project: Quarterly WET**

CETIS	S Ana	lytical Rep	ort						t Date: code/ID:		30 Jun-25 15:5 525317cd / 11	,
Cerioda	aphnia	7-d Survival ar	nd Reproduc	ction Test	1						SeaC	rest Group
Analys	is ID:	00-9292-1898	End	point: 7	d Survival Rate	9		CE	TIS Version	: CETI	S v2.1.6	- 7/
Analyz	ed:	30 Jun-25 15:5	4 Ana	lysis: L	inear Interpolat	tion (ICPIN)		Sta	tus Level:	1		
Edit Da	ate:	30 Jun-25 0:00	MD	Hash: 2	6D148ECA297	03B9A09023	057D92E2	2A4 Edi	tor ID:	000-3	46-492-2	
Batch I	ID:	19-1490-5435	Test	t Type: R	eproduction-Su	urvival (7d)		Ana	alyst:			
Start D	ate:	24 Jun-25	Prof	tocol: E	PA/821/R-02-0	13 (2002)		Dilu	uent: Mo	d-Hard S	ynthetic Water	
Ending	Date:	30 Jun-25	Spe	cies: C	eriodaphnia du	ubia		Brit	ne: No	t Applicat	ole	
Test Le	ength:	6d 0h	Tax	on: B	ranchiopoda			Sou	urce: In-	House Cu	lture	Age:
Linear	Interpo	lation Options										
X Trans	sform	Y Transform	n See	d	Resamples	Exp 95% C	L Meth	od				
Linear		Linear	2140	0199	1000	Yes	Two-l	Point Inter	polation			
Test Ac	cceptal	oility Criteria	TAC L	imite								
Attribu	ite	Test Stat		Upper	Overlap	Decision						
Control	Resp	1	0.8	>>	Yes	Passes Crit	eria					
Point E	Estimat	es										
Level	%	95% LCL	95% UCL	Tox Uni	ts 95% LCL	95% UCL						
LC15	82.41	81.11	83	1.2	1.2	1.2						
LC20	83.45	82.22	84	1.2	1.2	1.2						
LC25	84.48	83.33	85	1.2	1.2	1.2						
LC40	87.59	86.67	88	1.1	1.1	1.2						
LC50	89.66	88.89	90	1.1	1.1	1.1						
7d Sur	vival R	ate Summary				Calculated \	/ariate(A/E	3)			Isoton	ic Variate
Conc-%	%	Code	Count	Mean	Median	Min	Max	CV%	%Effect	ΣΑ/ΣΒ	Mean	%Effect
0		D	10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
20			10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	1.0000	0.00%
40			10	0.9000	1.0000	0.0000	1.0000	35.14%	10.00%	9/10	0.9667	3.33%
60			10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	0.9667	3.33%
20			10	1.0000	1.0000	1.0000	1.0000	0.00%	0.00%	10/10	0.9667	3.33%
80							1.0000					

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst:_EW QA:____

Site: 001A

SCG Project No.: 525317.B CO-0001244 **Project: Quarterly WET**

CETIS Ana	uytı	саі керо	rt						•	ort Date: Code/ID:		Jun-25 15:5 5317cd / 11	5 (p 1 of 1 -5089-238
Ceriodaphnia	7-d	Survival and	Repro	duc	tion Test							SeaCr	est Group
Analysis ID: Analyzed: Edit Date:	30 J	611-3581 un-25 15:54 un-25 0:00	A	nal	ysis: Nor	production nparametric- F43253810			St	ETIS Version atus Level: litor ID:			
Batch ID: Start Date: Ending Date: Test Length:	24 J 30 J		S	roto	col: EP	oroduction-S A/821/R-02-0 riodaphnia di nchiopoda	013 (2002)		Di Br	ine: N	lod-Hard Synth lot Applicable n-House Culture		Age:
Data Transfor	rm		Alt Hy	p				NOEL	LOEL	TOEL	Tox Units	MSDu	PMSD
Untransformed			C > T	-				80	100	89.44	1.2	5.885	23.26%
Steel Many-O	ne R	ank Sum Te	st										
Control	vs	Conc-%		df	Test Stat	Critical	Ties	P-Type	P-Value	e Decisio	on(α:5%)		
Dilution Water	1	20 40 60 80 100*		18 18 18	119 111.5 108 113 55	75 75 75 75 75	2 4 3 1	CDF CDF CDF CDF	0.9875 0.9403 0.8923 0.9548 0.0004	Non-Si Non-Si Non-Si	gnificant Effect gnificant Effect gnificant Effect gnificant Effect ant Effect		
Test Accepta	bility	Criteria	TAC	C Li	mits								
Attribute		Test Stat			Upper	Overlap	Decision						
Control Resp PMSD		25.3 0.2326	15 0.13		>> 0.47	Yes Yes	Passes Cr Passes Cr						
ANOVA Table)	Sum Squa	res		Mean Squ	ıare	DF	F Stat	P-Valu	e Decisio	on(α:5%)		
Between Error Total		5572.08 1784.1 7356.18			1114.42 33.0389		5 54 59	33.73	<1.0E-0		ant Effect		
ANOVA Assu	mpti	ons Tests											
Attribute Variance Distribution		Test Bartlett Eq Shapiro-W			iance Test		Test Stat 39.62 0.8851	15.09 0.9459	<1.0E-0	05 Unequa	on(α:1%) al Variances ormal Distributi	on	
Reproduction	n Sur	nmary											
Conc-%		Code	Count		Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0		D	10		25.3	20.69	29.91	24.5	16	34	2.039	25.48%	0.00%
20			10		28.5	26.28	30.72	29	23	32	0.9804	10.88%	-12.65%
			2.2		24.9	17.53	32.27	27	0	39	3.257	41.37%	1.58%
40			10		24.5	17.55	02.27	21	•	00	0.207	11.01 70	1.0070
40 60			10		25.3	21.5	29.1	26	16	35	1.68	21.00%	0.00%
			699										

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst: EW QA:

SCG Project No.: 525317.B **Site: 001A Project: Quarterly WET**

CETIS	S Ana	lytic	al Repo	rt						Report Test Co			15:55 (p 2 of 2) / 11-5089-2388
Ceriod	aphnia	7-d S	Survival and	Reproduc	tion Tes	st						Se	aCrest Group
Analys			463-6412			Reproduction					S Version:	CETIS v2.1.6	
Analyze Edit Da			ın-25 15:54 ın-25 0:00			Linear Interpolat 01EF432538107			67455C4		us Level: or ID:	1 000-346-492-2	
Batch I	ID:	19-14	490-5435	Test	Type: I	Reproduction-S	urvival (7d)			Anal	yst:		THE
Start D	ate:	24 Ju	ın-25	Prot	ocol: I	EPA/821/R-02-0	13 (2002)			Dilue	ent: Mod-	Hard Synthetic Wa	ater
Ending	Date:	30 Ju	ın-25	Spe	cies: (Ceriodaphnia du	ıbia			Brine	e: Not A	Applicable	
Test Le				Taxo	on: I	Branchiopoda				Sour	rce: In-Ho	ouse Culture	Age:
Linear	Interpo	olatio	n Options						- 41				
X Trans	sform	Υ	Transform	See	d	Resamples	Exp 95%	CL	Method				
Linear		Li	inear	1115	5090	1000	Yes		Two-Poi	nt Interp	olation		
Test A	cceptal	oility (Criteria	TAC L	imits								
Attribu	ite		Test Stat	Lower	Upper	Overlap	Decision						
Control	Resp		25.3	15	>>	Yes	Passes Cr	iteria	Ų.				
Point E	Estimat	es											
Level	%		95% LCL	95% UCL	Tox Ur	nits 95% LCL	95% UCL						
IC15	82.1		38.35	83.07	1.2	1.2	2.6						
IC20	83.17	7	80.62	84.09	1.2	1.2	1.2						
IC25	84.24	1	81.86	85.12	1.2	1.2	1.2						
IC40	87.46	3	85.58	88.19	1.1	1.1	1.2						
IC50	89.6		88.07	90.24	1.1	1.1	1.1						
Repro	duction	Sum	mary				Calculat	ed V	ariate			Iso	tonic Variate
Conc-9	%		Code	Count	Mean	Median	Min	Max	x C	V%	%Effect	Mean	%Effect
0			D	10	25.3	24.5	16	34	2	5.48%	0.00%	26.9	0.00%
20				10	28.5	29	23	32	10	0.88%	-12.65%	26.9	0.00%
40				10	24.9	27	0	39	4	1.37%	1.58%	25.5	5.20%
60				10	25.3	26	16	35	2	1.00%	0.00%	25.5	5.20%
												05.5	E 000/

31

13.06% -3.95%

241.52% 98.42%

26.3

0.4

10

Convergent Rounding (4 sf)

100

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst:_EW QA:_

25.5

0.4

5.20%

98.51%

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B Site: 001A Project: Quarterly WET

Appendix 3 – Data Sheets for the Fathead Minnow Test

Engineering CO-0001244 SCG Project No.: 525317.B
Project: Quarterly WET

WET TEST REPORT FORM - CHRONIC

Permittee: Linkan Engineering-Schwartzwalder Mine

Permit No.: CO-0001244

Outfall: 001A – IWC: 100%

Test Type: Routine ⊠ Accelerated □ Screen □

Test Species: fathead minnow

Test Start Time	Test Start Date	Test End Time	Test End Date
1620	06-23-2025	1520	06-30-2025

Test Results	Lethality/TCP6C	Growth/TKP6C
S code: LOEL	>100%	100%
	PASS	N/A
P code: LC ₂₅ /IC ₂₅	99.5%	87%
	PASS	N/A
T code:	>100%	100%

Test Summary

Measurements	Control (0%)	12.5%	25%	50%	75%	100%
Exposed organisms	40	40	40	40	40	40
Survival for day 1	40	40	40	40	40	40
Survival for day 2	40	40	40	40	40	40
Survival for day 3	40	40	40	40	40	39
Survival for day 4	40	39	40	39	39	38
Survival for day 5	40	38	40	39	39	33
Survival for day 6	40	38	39	39	39	30
Survival for day 7	39	38	39	39	39	29
Mean Dry Wt. (mg)	0.587	0.586	0.565	0.562	0.553	0.233

Hardness (mg/L) – Receiving Water: N/A Effluent: 0/0/2 Recon Water: 100 Alkalinity (mg/L) – Receiving Water: N/A Effluent: 75/79/85 Recon Water: 63 Chlorine (mg/L) – Effluent: pH (initial/final) – Control: 8.1/7.6 100%: 7.9/7.8

< 0.01/< 0.01/0.02

Total Ammonia as NH₃ (mg/L) -Effluent: 0.03/<0.03/<0.03

Were all Test Conditions in Conformance with Division Guidelines? YES NO

If **NO**, list deviations from test specifications: N/A

Laboratory: SeaCrest Group

Comments:

Analyst's Name: Cat Cash, Ethan White, and Hannah Tiede

Signature Date July 2, 2025

103a 202																																		_	_		
Form #: 103a : March 202		Ave wt	<	fs		6	30	2	1	50	3		2	2	5		5	Ñ	50		E	3	2	1													1
Form #: 103a Effective: March 202	543	Fish Wt mg	3	200	277	100	7	1	W.	16.00	558	127	010	326	511	860	401	201	SH	S	200	S	2019	42													
	25-(076480	1240.	340.0	0.000	0.0		000	5.10	HOOP	1840.0	3500.(3120.	0310	.0000(n)	500D. i	0550	0823DD	3018c	100	340	030	222	+	+	+	121									П
	MH	e Tare	1-1-	1,07391	-	-	-		2 2	41.07	51,07940	-	0280000	-	-	-	1.00E00	1001		-	11.0724	41.07	-	, 000g3	4	1	1	41.05421	2000								П
	Dilution H ₂ O: MH2S - 043	Fish & Tare	1.08292	19640.	84189	,07247	09018	01801	10 th#	081341.0755	08498	27970,	07410	08438	OF153	07285	107101	,0755V	1,09821	84940'	107469	.07187 1.07034	10750.	· 01875				1264761	1								
	Diluti	# F		#3	1	#2	f	7	9# 9#	#10	#11	#12 (#13 1	#14	#15	#16	#17 [5	#18 1,	#19 1	#20 1	#21 !	#22		#24	#	# :	# #	t	ŧ	nts:							
	ions:	2 9		00	0	01 0	6	1	5 5	_		0	0	10 10	6 0	010	010	010	6	0 10	V	20	-	9	+	+	+	pretest		Comments:							П
	IWC: 100	2	0	90	0	01	6	2	5 -	5	2	01	1.0	10	9	00	101	0	9	101	S	B	0	5	1	1	İ		-		g/L	۲, 1	1/6 g/L				П
neet	5	8 4	-	0 0	10 10	-	3	0 0	0 9	200	0 1 0	0-0	010	010	0	010	Q1 a	01 0	0	010	010	0	0 1 9	5	+	+	+				Hard: mg/L	Alk: mg/L	Chlor. mg/L NH ₃ : mg/L				П
ıchsh	25 E	2	10	20	0	01	-	-	0 9	00	+-	101	0)	10	01	101	10)	1 01	101	101	101	10	-	6 01	1	1	†	1		Units:	/L	υ,	cm ³				П
c Bei	Date: Ol	0		10 10	+			7	9 5	-	1-	10 10	10 10	10 10	10 10	10 10	10 10	10 10	10 [@	10 120	10 10	10 10	-	10 10	10	10	2 5				DO: mg/L	Temp: °C	Cond: uS/cm ³				П
hroni	mple	_	0	7.63.7	7	0	5.4	5	0.5	-			600	1 H32	Ċ	-	1	7	60	-	٦,	784	60	-		1	-	ŀ		L			Т	t	Н	+	Н
Fathead Minnow Chronic Benchsheet	8 C			7-	-	16.95.	23.162	8.7	7 0	21.2	8	+	7.1.4	L,	8.17		1.3 4	57 h.S	8,7		7.44	26.97	8.07	^	1	+		1	F		500 mL	250 mL	6.5 cm		2x per day	<24hr artemia	
Min	3.7.1 HOGS	9	र,	7.68	314	7	1.5	740	27 =	30		247	- S. h	5.1.2	1.8	216	9,5	25.125	0.0	199	4.67		1.9	9	+	+	1	H	1	per	1	1	1	shedule	2x1	<24n	
head	Lab #: 5253(7).		30 1	25 20	=	7.	24.7	0 4	7 2	24.8	00	1	1.6	25.02	40	0	7.81	25.1	7.4	П		15.3	7.1	0	1	1	T	t	İ	Exposure Chamber			eg.	Feeding Schedule	- 1	1	
Fat	Lab #: 525 Species Info:	2	1	45	3	4.3	1.52	4.6	400	75.2	4	22	4.5	23.5	1.4	210	4.6	25.3	7.8		+	w	4	7	7	+		EW	7	Exposu		lume:	nstant):	Fe		ed:	
	5	_	8.9	24.8	90	3.0	4.7	80 5	7 5	-	8	13	4.4	024.5	4.9	9		_	2	2	3.8	ú	90			1	T	ļ			pacity:	Test Solution Volume:	Water Depth (constant):		Fed:	Food Used:	
	SZ28		4.8 6	3 4	36	4.7	25.0	10	4 62	0.86	44	23	4.5	0.0	tt	20	ナナ	13.0 24.4	7.87	18	4.3	25	+	15		T		3	100		Total Capacity:	Test So	Water D	7	1	H	П
	Site: 7.5	3	6.8	0 8 -	+1	10	古	0. S	0 10 %	77	8.0	38	7.5	174.1	7.9	26	4.8	1-17-1	8 18	4		ガナガル	4.50	-				F's'	7	MR		I		9	1	Ē.	Ŧ
	Xe30			7	3		+ 7th .6	200	1 2	+-	4	7	4.5	294.7	1+	20		274.7	57.8		1		-	-	1	1	L	4	7	Rcv 3	Ц	1		2	>	$\overline{}$	177
	20 TONINEGINO 325 1000 Testend: 0	2	4969	7.88.1	316	4.3 7.04.87.0	9 24.	1000	17 CH.	24.5.074.8	7.879	270	14.7.1	0 25	7.8.7.8	216	1.40	625125	7-8-7-	8.7	2.1.9	245 24.8 25.125.9	7.8.3.3	ZZ.		-		EW/	2	Eff 3 Recon Rcv 1 Rcv 2	Ц	1		4	-	2/2	EN EW
	MEC D Tes	Н	9 4	- 0		.0 4	1.324		7	4 25	97	2	34	5 23		2	7,44,6	30	+	1	54	1.8 25	4	+	+	+	+	F		on Rcv	01	05	03	3	-	\neg	Z Z
g _	The	1	4,4 6.9	7.68.0	320	5.3	4.5	1.680	4.7.7	1.5 24	7.67	047	4.07	24.5 24.5 124.5	7.7.7.8	714	5.47	29.5 24	+ -	50	3.87.54.67	12 7	4	2	+	+	+	EW	-	ff 3 Rec		100 N	0.02	1 2	$\overline{}$	< ½ >	EW FEW
SeaCrest Group Louisville, CO	10V)	0	1721		. 829	134	7-1-5	000	$\overline{}$	7.1.2	8.07	240	7.54		7.5	CK	507	7. 2	100	-	9	-			+	\dagger		1)	-	Eff 2	2000	X 100	203	0	> (7	CCE
SeaC	Client: UN KOM EMINEUINO Test Start: () (17375-1171) Test End:	Conc Read		dilla-	Cond	00	Temp	Cond	-1	Temp	H H	Cond 2	00	å	Ha	Cond C	00	Z dwa_	Hd	-1	00	٥	,	ы	DO L	E E	Cond	als (ar#	Eff 1 E	\vdash	Chlor / 2 / 2	0.03 0.03 0.03 <0.03	ing	N 0	+	П
	Client. Test S	Conc		0			2			11				9				9				\leq		ľ	-11		, ,	Initials	Water #		Hard	Alk	NH ₃	Feeding	AM	PM	Initials

SCG Project No.: 525317.B Site: 001A **Project: Quarterly WET**

CETIS Ana	lyti	cal Repo	ort							est Co	Date: ode/ID:				4 (p 1 of 2 -7334-150
Fathead Minn	ow 7	'-d Larval S	urvival	and	Growth Te	st								SeaCı	est Group
Analysis ID: Analyzed: Edit Date:	01 J	636-1892 lul-25 12:34 lul-25 0:00		Anal	ysis: Nor		e Control vs T 7343330178		66C	Statu	S Version us Level: or ID:		CETIS v2. 1 000-346-4		
Batch ID: Start Date: Ending Date: Test Length:	23 J 30 J		:	Prote	ocol: EP/	wth-Surviva N821/R-02- nephales pro inopterygii	013 (2002)			Anal Dilue Brine Sour	ent: M	ot Ap	ard Synthe plicable se Culture	etic Water	Age:
Data Transfor	rm		Alt Hy	/p				NOEL	LOE	EL_	TOEL	Т	ox Units	MSDu	PMSD
Angular (Corre)	C>T					100	>10	0		1	5) 0.	0.1507	15.46%
Steel Many-O	SHIPPAR		est												
Control	vs	Conc-%	September 19	df	Test Stat	Critical	Ties	P-Type	P-V	alue	Decisio	on(a:	5%)		
Dilution Water		20		6	16	10	2	CDF	0.61			_	ant Effect		
		40		6	18	10	2	CDF	0.83			70	ant Effect		
		60		6	18	10	2	CDF	0.83				ant Effect		
		80		6	18	10	2	CDF	0.83				ant Effect		
		100		6	12.5	10	1	CDF	0.18				ant Effect		
Test Acceptal	bility	Criteria	TA	C Li	mits										
Attribute		Test Stat			Upper	Overlap	Decision								
Control Resp		0.975	0.8		>>	Yes	Passes Cr	iteria							
ANOVA Table															
Source		Sum Squa	ares		Mean Squ	are	DF	F Stat	P-V	alue	Decisio	on(a:	5%)		
Between		0.337039			0.0674078	1	5	3.596	0.01	198	Significa	ant E	ffect		
Error		0.337422			0.0187457	,	18								
Total		0.674461					23	_							
ANOVA Assur	mptic	ons Tests													
Attribute		Test					Test Stat	Critical	P-V	alue	Decisio	on(a:	1%)		
Variance		Bartlett Eq	uality of	Var	iance Test		9.263	15.09	0.09	990	Equal V	/arian	ces		
Distribution		Shapiro-W	ilk W N	orma	ality Test		0.8289	0.884	0.00	009	Non-No	rmal	Distributio	n	
7d Survival R	ate S	Summary													
Conc-%	-	Code	Count		Mean	95% LCL	95% UCL	Median	Min	ı	Max	S	td Err	CV%	%Effect
0		D	4		0.9750	0.8954	1.0000	1.0000	0.90	000	1.0000	0	.0250	5.13%	0.00%
20			4		0.9500	0.8581	1.0000	0.9500	0.90	000	1.0000	0	.0289	6.08%	2.56%
40			4		0.9750	0.8954	1.0000	1.0000	0.90	000	1.0000	0	.0250	5.13%	0.00%
60			4		0.9750	0.8954	1.0000	1.0000	0.90	000	1.0000	0	.0250	5.13%	0.00%
80			4		0.9750	0.8954	1.0000	1.0000	0.90	000	1.0000	0	.0250	5.13%	0.00%
100			4		0.7250	0.3722	1.0000	0.7000	0.50	000	1.0000	0	.1109	30.58%	25.64%
Angular (Corr	ecte	d) Transform	med Su	mma	ary										
Conc-%		Code	Count		Mean	95% LCL	95% UCL	Median	Min		Max	S	td Err	CV%	%Effect
0		D	4		1.3710	1.2420	1.5010	1.4120	1.24	190	1.4120	0	.0407	5.94%	0.00%
20			4		1.3310	1.1810	1.4800	1.3310	1.24	190	1.4120	0	.0471	7.07%	2.97%
40			4		1.3710	1.2420	1.5010	1.4120	1.24	190	1.4120		.0407	5.94%	0.00%
60			4		1.3710	1.2420	1.5010	1.4120	1.24		1.4120		.0407	5.94%	0.00%
80			4		4 2740	4 0 400									0.000/
100			4		1.3710 1.0480	1.2420 0.6059	1.5010 1.4890	1.4120 0.9966	0.78		1.4120		.0407	5.94% 26.50%	0.00% 23.60%

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst:_EW QA:_____

0.9750

0.9750

0.7250

1.0000

1.0000

0.7000

0.9000

0.9000

0.5000

1.0000

1.0000

1.0000

5.13%

5.13%

30.58%

0.00%

0.00%

25.64%

39/40

39/40

29/40

Client: Linkan Engineering

80

100

Convergent Rounding (4 sf)

SCG Project No.: 525317.B CO-0001244 **Site: 001A Project: Quarterly WET**

CETIS	Ana	lyti	cal Repo	rt							rt Date: Code/ID:			34 (p 1 of 2) 4-7334-1503
Fathead	d Minn	ow 7	-d Larval Sเ	ırvival and	Growth	Test							Sea	Crest Group
Analysis	s ID:	06-6	049-6880	End	point: 7	d Survival Rat	e			CE	TIS Version	CETIS	v2.1.6	
Analyze	ed:	01 J	ul-25 12:34	Anal	ysis: I	inear Interpola	tion (ICPIN))		Sta	tus Level:	1		
Edit Dat	te:	01 J	ul-25 0:00	MD5	Hash: 5	178D78A35C7	7343330178	2BCC	17BE660	C Edi	itor ID:	000-34	6-492-2	
Batch II	D:	01-7	884-4059	Test	Type: (Growth-Surviva	I (7d)			Ana	alyst:			
Start Da	ate:	23 J	un-25	Prot	ocol: E	EPA/821/R-02-	013 (2002)			Dile	uent: Mo	d-Hard Syr	nthetic Wate	r
Ending	Date:	30 J	un-25	Spec	cies: F	Pimephales pro	melas			Bri	ne: No	Applicable	9	
Test Le				Taxo	on:	Actinopterygii				So	urce: In-l	House Cult	ure	Age:
Linear I	nterpo	olatio	n Options											
X Trans	form	Υ	Transform	Seed	i	Resamples	Exp 95%	CL	Method					
Linear		L	inear	5792	20	1000	Yes		Two-Po	int Inter	rpolation			
Test Ac	ceptal	bility	Criteria	TAC Li	mits									
Attribut	e		Test Stat	Lower	Upper	Overlap	Decision							
Control	Resp		0.975	0.8	>>	Yes	Passes C	riteria						
Point Es	stimat	es												
Level	%		95% LCL	95% UCL	Tox Un	its 95% LCL	95% UCL							
LC15	91.49	9	82.25		1.1		1.2							
LC20	95.49	9	84.13		1		1.2							
LC25	99.49	9	85.7		1		1.2							
LC40	>100	and on the last			<1									
LC50	>100				<1									
7d Surv	ival R	ate S	ummary				Calculated	l Varia	ate(A/B)				Isoto	nic Variate
Conc-%	ó		Code	Count	Mean	Median	Min	Max	C	:V%	%Effect	ΣΑ/ΣΒ	Mean	%Effect
0			D	4	0.9750	1.0000	0.9000	1.00	000 5	.13%	0.00%	39/40	0.9750	0.00%
20				4	0.9500	0.9500	0.9000	1.00	000 6	.08%	2.56%	38/40	0.9688	0.64%
40				4	0.9750	1.0000	0.9000	1.00	000 5	.13%	0.00%	39/40	0.9688	0.64%

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst. EW QA:

0.9688

0.9688

0.7250

0.64%

0.64%

25.64%

SCG Project No.: 525317.B **Site: 001A Project: Quarterly WET**

Dilution C	CETIS Ana	lyti	ical Repo	ort							•	Date: de/ID:				38 (p 1 of · 4-7334-150
Analyzaci	Fathead Minn	ow 7	7-d Larval S	urviva	l and	Growth	Test								SeaC	rest Grou
Batch 10 Jul-25 0.00	Analysis ID:	17-	5089-0904		End	point: N	lean Dry Biom	ass-mg			CETI	S Versi	ion:	CETIS v2	.1.6	
Start Date:						-							l:			
Start Date: 23 Jun-25	Edit Date:	01.	Jul-25 0:00		MD5	Hash: C	2529A1E807	70A100269E	DEC1F360	114B	Edito	or ID:		000-346-4	192-2	
Part Part	Batch ID:	01-7	7884-4059		Test	Type: 0	Growth-Surviva	ıl (7d)			Analy	yst:				
March Control March Ma	Start Date:	23 .	Jun-25		Prot	ocol: E	PA/821/R-02-	013 (2002)			Dilue	ent:	Mod	-Hard Synth	etic Water	
Data Transform	Ending Date:	30 .	Jun-25		Spe	cies: F	Pimephales pro	omelas			Brine	e:	Not /	Applicable		
Dunnet Multiple Comparison Test Control vs Conc% of Test Stat Critical MSD P-Type P-Value Decision(0:5%)	Test Length:	7d	0h		Taxo	on: A	Actinopterygii				Sour	ce:	In-H	ouse Culture	•	Age:
Dilution Water 20	Data Transfor	m		Alt I	Нур				NOEL	LOE	L	TOEL		Tox Units	MSDu	PMSD
Control vs Conc-% df Test Stat Critical MSD P-Type P-Value Decision(α:5%) Dilution Water 20 6 0.01876 2.407 0.09674 CDF 0.8278 Non-Significant Effect Non-Significant Effect 60 6 0.6527 2.407 0.09674 CDF 0.5934 Non-Significant Effect 100° 6 0.8524 2.407 0.09674 CDF 0.4883 Non-Significant Effect 100° 6 0.8524 2.407 0.09674 CDF 0.4883 Non-Significant Effect Test Acceptability Criteria TAC Limits Test Image: Test	Untransformed	i		C > 1	Г				80	100	19	89.44		1.2	0.09674	16.49%
Dilution Water 20	Dunnett Multi	ple (Comparison	Test												
40	Control	vs	Conc-%		df	Test Sta	at Critical	MSD	P-Type	P-Va	lue	Decis	ion(α:5%)		
60	Dilution Water		20		6	0.01876	2.407	0.09674	CDF	0.82	78	Non-S	Signif	icant Effect		
Record R			40		6	0.5537	2.407	0.09674	CDF	0.624	40	Non-S	Signif	ficant Effect		
Test Acceptability Criteria Tac Limits Lower Upper Overlap Decision			60		6	0.6221	2.407	0.09674	CDF	0.593	34	Non-S	Signif	ficant Effect		
Tack Civilita Tack Civilita Count Control Resp 0.5868 0.25 >> Yes Passes Criteria PMSD 0.1649 0.12 0.3 Yes Passes Criteria PVAIue Decision(c:5%)	Attribute Control Resp PMSD ANOVA Table Source Between											and the latest designation of the latest des	STATE OF THE PERSON	The second secon		
Attribute Test Stat Lower Upper Overlap Decision Control Resp 0.5868 0.25 >> Yes Passes Criteria PMSD 0.1649 0.12 0.3 Yes Passes Criteria ANOVA Table Source Sum Squ=res Mean Squ=res DF F Stat P-Value Decision(α:5%) Error 0.0581447 0.0032303 18 23.75 <1.0E-05			100*		6	8.809	2.407	0.09674	CDF	2.7E	-05	Signif	icant	Effect		
Control Resp 0.5868 0.25 >> Yes Passes Criteria	Test Acceptat	oility	Criteria	Т	AC L	imits										
PMSD 0.1649 0.12 0.3 Yes Passes Criteria					er		-									
Source Sum Squares Mean Square DF F Stat P-Value Decision(α:5%)																
Source Sum Squares Mean Square DF F Stat P-Value Decision(α:5%)	PMSD		0.1649	0.12		0.3	Yes	Passes C	riteria							
Between 0.383565 0.076713 5 23.75 1.0E-05 Significant Effect	ANOVA Table															
Error 0.0581447 0.0032303 18 Total 0.44171 23 ANOVA Assumptions Tests Test Test Stat Critical P-Value Decision(α:1%) Variance Bartlett Equality of Variance Test Shapiro-Wilk W Normality Test 0.986 0.884 0.9766 Decision(α:1%) Mean Dry Biomass-mg Summary Conc-% Code Count Mean 95% LCL 95% UCL Median Min Max Std Err CV% %Eff 0 D 4 0.5868 0.5193 0.6542 0.5795 0.544 0.644 0.0212 7.22% 0.009 20 4 0.5868 0.5193 0.6525 0.583 0.564 0.614 0.01085 3.70% 0.139 40 0.5645 0.4119 0.7171 0.5705 0.542 0.61				ares					,	-						
Total 0.44171									23.75	<1.0	E-05	Signif	icant	Effect		
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Variance		npti												400		
Mean Dry Biomass-mg Summary Conc-% Code Count Mean 95% LCL 95% UCL Median Min Max Std Err CV% %Eff COmc-% Code Count Mean 95% LCL 95% UCL Median Min Max Std Err CV% %Eff COmc-% Code Count Mean 95% LCL 95% UCL Median Min Max Std Err CV% %Eff COmc-% Code Count Comc-% Code Count Comc-% Code Count Comc-% Code Count Code Co					-61/-	T	-1									
Mean Dry Biomass-mg Summary Summary Stop St							st									
Conc-% Code Count Mean 95% LCL 95% UCL Median Min Max Std Err CV% %Efff 0 D 4 0.5868 0.5193 0.6542 0.5795 0.544 0.644 0.0212 7.22% 0.009 20 4 0.586 0.5515 0.6205 0.583 0.564 0.614 0.01085 3.70% 0.139 40 4 0.5645 0.4119 0.7171 0.5705 0.442 0.675 0.04796 16.99% 3.79% 60 4 0.5617 0.491 0.6325 0.5575 0.522 0.61 0.02223 7.91% 4.26% 80 4 0.5525 0.4853 0.6197 0.554 0.501 0.601 0.02111 7.64% 5.84% 100 4 0.2327 0.1302 0.3353 0.236 0.151 0.308 0.03223 27.69% 60.33 Mean Dry Biomass-mg Detail C					1401111	unty 163t		0.500	0.004	0.57	-	Nonne	ai Di	Stribution		
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Mean Dry Biomass-mg Detail Conc-% Code Rep 1 Rep 2 Rep 3 Rep 4 0 D 0.644 0.57 0.589 0.544 20 0.591 0.614 0.575 0.564 40 0.675 0.583 0.558 0.442 60 0.61 0.526 0.522 0.589 80 0.601 0.501 0.541 0.567																60.33%
Conc-% Code Rep 1 Rep 2 Rep 3 Rep 4 0 D 0.644 0.57 0.589 0.544 20 0.591 0.614 0.575 0.564 40 0.675 0.583 0.558 0.442 60 0.61 0.526 0.522 0.589 80 0.601 0.501 0.541 0.567		mac	e ma Detail							5						
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20 0.591 0.614 0.575 0.564 40 0.675 0.583 0.558 0.442 60 0.61 0.526 0.522 0.589 80 0.601 0.501 0.541 0.567																
40 0.675 0.583 0.558 0.442 60 0.61 0.526 0.522 0.589 80 0.601 0.501 0.541 0.567			D													
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80 0.601 0.501 0.541 0.567					•											
					1											
100 0.229 0.151 0.308 0.243	100			0.229		0.501	0.308	0.243								

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst: EW QA:

SCG Project No.: 525317.B **Site: 001A Project: Quarterly WET**

CETIS	Ana	lytic	al Repo	rt						Report Test Co		01 Jul-25 12 525317fhm /	2:38 (p 1 of 1 14-7334-150
Fathea	d Minn	ow 7-	d Larval S	ırvival and	Growth Te	est							Crest Group
Analysi Analyze Edit Da	ed:	01 Ju	556-5134 Il-25 12:34 Il-25 0:00	Ana	ysis: Lin	an Dry Bioma ear Interpolat 529A1E8077	tion (ICPIN)		F360114B	Statu	S Version: is Level: or ID:	CETIS v2.1.6 1 000-346-492-2	
Batch I Start Da Ending Test Le	ate: Date:	23 Ju 30 Ju	ın-25	Prot	ocol: EP	owth-Survival A/821/R-02-0 nephales pro tinopterygii	13 (2002)			Analy Dilue Brine Sour	nt: Mod	d-Hard Synthetic Wate Applicable House Culture	er Age:
Linear	Interpo	lation	n Options										
X Trans	sform	Υ	Transform	See		Resamples	Exp 95%	CL	Method				
Linear		Li	near	1401	857	1000	Yes		Two-Poi	nt Interpo	olation		
Test Ac	ceptal	oility (Criteria	TAC L	imits								
Attribut	te		Test Stat	Lower	Upper	Overlap	Decision						
Control	Resp		0.5868	0.25	>>	Yes	Passes Cr	iteria					
Point E	stimat	es											
Level	%		95% LCL	95% UCL	Tox Units	95% LCL	95% UCL				*		
IC15	83.36	5	78.61	85.75	1.2	1.2	1.3						
IC20	85.2		80.8	87.67	1.2	1.1	1.2						
IC25	87.03	100	82.8	89.66	1.1	1.1	1.2						
IC40	92.54		88.4	96.62	1.1	1	1.1						
IC50	96.21		91.75	101.7	1	1	1.1						
Mean D	ry Bio	mass	-mg Summ	ary			Calculat	ed V	ariate			Isoto	onic Variate
Conc-%	6		Code	Count	Mean	Median	Min	Max	c C	V%	%Effect	Mean	%Effect
0			D	4	0.5868	0.5795	0.544	0.6	14 7.	22%	0.00%	0.5868	0.00%
20				4	0.586	0.583	0.564	0.6	14 3.	70%	0.13%	0.586	0.13%
40				4	0.5645	0.5705	0.442	0.6		5.99%	3.79%	0.5645	3.79%
60				4	0.5617	0.5575	0.522	0.6		91%	4.26%	0.5617	4.26%
80				4	0.5525	0.554	0.501	0.6		64%	5.84%	0.5525	5.84%
100				4	0.2327	0.236	0.151	0.30	08 2	7.69%	60.33%	0.2327	60.33%
Mean D	ry Bio	mass	-mg Detail										
Conc-%	6		Code	Rep 1	Rep 2	Rep 3	Rep 4						
0			D	0.644	0.57	0.589	0.544						
20				0.591	0.614	0.575	0.564						
40				0.675	0.583	0.558	0.442						
60				0.61	0.526	0.522	0.589						
80				0.601	0.501	0.541	0.567						
100				0.229	0.151	0.308	0.243						

Convergent Rounding (4 sf)

CETIS™ v2.1.6.2 x64 (000-346-492-2)

Analyst EW QA:

Client: Linkan Engineering CO-0001244 SCG Project No.: 525317.B Site: 001A Project: Quarterly WET

Appendix 4 – QA/QC and Reference Toxicant Test Chart

Quality Control

CO-0001244

SCG Project No.: 525317.B Project: Quarterly WET

Date July 2, 2025

Quality Assurance Check List – Chronic Whole Effluent Toxicity Test

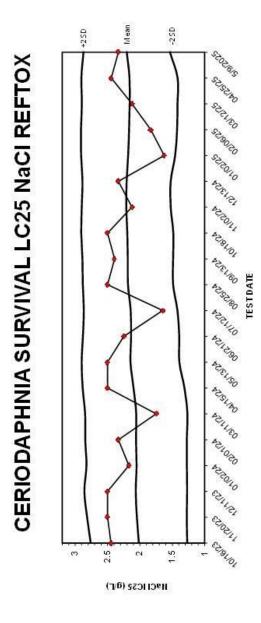
Client:	Linkan Engineering-Schwartzwalder	Mine
SeaCrest Sample No:	525317.B	
Species Tested:	Ceriodaphnia dubia and fathead minn	iow
Sample Dates	Start Date of Test (Ceriodaphnia dubia)	Start Date of Test (fathead minnow)
06-23-2025 06-24-2025 06-25-2025	06-24-2025	06-23-2025
00 20 2020	00 21 2020	00 25 2025
Sample received in lab prop	erly preserved (0-6°C)?	N*
	ry within 36 hours of collection?	Y
Sample delivered on ice or	equivalent?	Y
Test initiated within 36-hou	rs of collection?	Y
Test protocol conforms to C	DPHE guidelines (Ceriodaphnia dubia)?	Y
Test protocol conforms to C	DPHE guidelines (fathead minnow)?	Y
Average test temp. ±1°C (Ce	eriodaphnia dubia)?	Y
Average test temp. ±1°C (far	thead minnow)?	Y
DO level ≥4.0mg/L; no sup	er-saturation (Ceriodaphnia dubia)?	Y
DO level ≥4.0mg/L; no sup	er-saturation (fathead minnow)?	Y
Survival in control≥80% (€	Ceriodaphnia dubia)?	\mathbf{Y}
Survival in control ≥80% (f	athead minnow)?	\mathbf{Y}
Ceriodaphnia dubia neonat	es <24-hours old?	Y
Fathead minnow larvae <24	-hours old?	Y
Appropriate reference toxic	ity test conducted?	Y
Reference toxicity test resul	ts within the confidence limits for the lab?	Y
* The samples were receive	d at 8.7°C, 10.5°C and 10.8°C on the same	day as sampling.
9hm		
Author Position: Aquatic Toxicolo		te July 2, 2025

METHOD QC

	72
dno	
SEACREST & GROUP ENVIRONMENTAL SERVICES LABORATORY	

Method	Analyte	Date	LCS (rec)	%REC	%RPD	QC LIMITS
2320 B	Alkalinity - Total	5/8/2025	104.80%	100.19%	-0.74%	± 5.00%
2320 B	Alkalinity - Total	5/14/2025	104.80%	100.97%	2.79%	± 5.00%
2320 B	Alkalinity - Total	5/22/2025	104.00%	101.03%	0.84%	± 5.00%
2320 B	Alkalinity - Total	5/28/2025	103.60%	101.97%	-1.92%	± 5.00%
4500 NH ₃ D	Ammonia	5/7/2025	%09'96	99.77%	1.01%	± 10.00%
4500 NH ₃ D	Ammonia	5/14/2025	%00'96	95.17%	%08.0	± 10.00%
4500 NH ₃ D	Ammonia	5/23/2025	104.00%	95.80%	-2.26%	± 10.00%
4500 NH ₃ D	Ammonia	5/27/2025	82.00%	97.84%	-2.17%	± 10.00%
4500 CI D	Chlorine	5/29/2025	97.48%	100.00%	0.00%	± 5.00, ± 20.00%
2340 B	Hardness - Total	5/9/2025	96.49%	102.97%	-2.32%	± 5.00%
2340 B	Hardness - Total	5/16/2025	86.50%	103.00%	4.72%	± 5.00%
2340 B	Hardness - Total	5/23/2025	82.00%	103.00%	-1.83%	± 5.00%
2340 B	Hardness - Total	5/29/2025	103.51%	98.14%	-1.12%	± 5.00%
			LCS (rec)	%REC M1	%REC M2	QC Limits
4500 O	DO - Winkler	5/8/2025	N/A	100.00%	%29.86	± 5.00%
4500 O	DO - Winkler	5/16/2025	N/A	95.77%	98.55%	± 5.00%
4500 O	DO - Winkler	5/24/2025	N/A	95.77%	98.55%	± 5.00%
4500 O	DO - Winkler	5/30/2025	N/A	%89.86	%00.96	± 5.00%
			Blank	%REC MR S	%RPD	QC Limits
2540 D	Suspended Solids (TTL)	5/26/2025	100.00%	108.11%	%00.0	± 15%
2540 C	Dissolved Solids (TTL)	5/26/2025	100.00%	114.50%	%00.0	± 15%
						4
Signature:	HALLEY (NE	X			Signature:	(attash
Date:	June 2, 2025	2			Date:	June 2, 2025
	-					

SeaCrest Group 500 S Arthur Ave. Suite 450 Louisville, CO 80027 (303) 661.9324 FAX (303) 661.9325



LC25 Mean -2 SD +2 SD +2 SD	2.0158 1.2703	2 0 4 7 6 1.2784	2.5000 2.0656 1.2717 2.8592	2.0518 1.2767	2 0 6 17 1.2774	2.0578 1.2678	2.0995 1.3131	2.1471 1.3927	2 1 3 7 8 1 3 9 4 1	2.1444	2.1860 1.4885	2.1889 1.4883	2 1968 1.4857	22130 1.5260	2,2075 1,5266	2 1835 1.4569	2.1695 1.4273	2 1596 1.4210	2.1628 1.4197	
Date			12/11/23		1.00.		11/200	11/000	0.000				01332		1000			in the		

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TEST DATE

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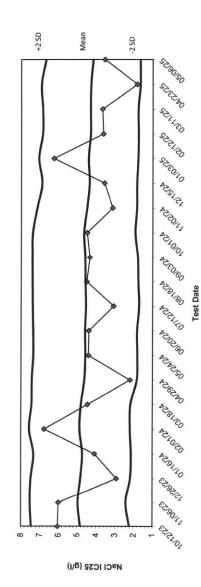
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N9CHC52 (B√F)

Mean -2 SD CERIODAPHNIA REPRODUCTION IC25 NaCI REFTOX 4 1.2 0.8 9.0 4.0

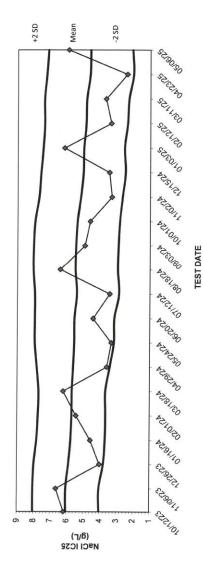
	1.0878		0.5440	0.5477	0.5736	0.5734	0.5644	0.5384	0.5315	0.5279	0.5160	310 0.5161 1.0458	0.5324	0.5208	0.5311	0.5133	0.4866	0.4860	0.5094	0.4950
IC25 Mean	0.8875 0.8164	0	0.7500 0.8049									0.8050 0.7810						0.6646 0.8078	0.8031 0.8175	
Date	10/16/23	11/20/2023	12/11/23	01/02/24	02/01/24	03/11/24	04/15/24	05/13/24	06/21/24	07/12/24	08/25/24	09/13/24	10/18/24	11/02/24	12/13/24	01/02/25	02/06/25	03/12/25	04/25/25	05/09/25

FHM SURVIVAL LC25 NaCI REFTOX



Q	87	42	25	68	96	74	22	61	10	39	29	26	62	20	41	52	45	34	72	
+2 SD	7.44	7.51	7.47	7.32	7.55	7.4374	7.42	7.34	7.35	7.37	7.38	7.39	7.37	7.14	6.88	7.05	6.85	6.85	6.91	
-2 SD	2.2221	2.4111	2.1721	2.1284	2.1868	2.1625	1.8268	1.8037	1.8168	1.7090	1.7560	1.7805	1.9181	1.8336	1.8292	1.7718	1.7493	1.7635	1.6502	
Mean	4.8354	4.9627	4.8223	4.7287	4.8732	4.7999	4.6245	4.5749	4.5839	4.5415	4.5714	4.5865	4.6480	4.4893	4.3567	4.4135	4.3019	4.3085	4.2837	
IC25	6.0360	0.000	2.9120	4.0800	6.7670	4.4550	2.1900	4.4090	4.3800	3.0670	4.5000	4.3333	4.4760	3.1230	3.5620	6.2500	3.6250	3.6670	1.8150	
Date	10/12/23	11/06/23	12/26/23	01/16/24	02/01/24	03/18/24	04/29/24	05/24/24	06/20/24	07/12/24	08/18/24	09/03/24	10/01/24	11/02/24	12/15/24	01/03/25	02/12/25	03/11/25	04/23/25	1000010

FHM GROWTH IC25 NaCI REFTOX



_	_								_							_				
+2 SD	8.0354	8.0330	7.9799	7.8186	7.7345	7.7017	7.8170	7.9377	7.9437	7.9433	8.0376	8.0194	7.9423	7.7066	7.5935	7.4674	7.3809	7.3927	7.2567	7.1455
-2 SD	4.0372	4.0375	3.7796	3.6808	3.6572	3.6624	3.4072	3.1637	3.1435	2.8641	2.9474	2.9061	2.8281	2.6657	2.4899	2.5449	2.3681	2.2844	2.0116	2.0618
Mean	6.0363	6.0352	5.8797	5.7497	5.6958	5.6820	5.6121	5.5507	5.5436	5.4037	5.4925	5.4628	5.3852	5.1862	5.0417	5.0062	4.8745	4.8385	4.6342	4.6037
IC25	6.1750	6.6360	4.0036	4.5690	5.4310	6.2100	3.5807	3.3150	4.4150	3.4180	6.4180	4.9290	4.6060	3.3070	3.4660	6.1720	3.3550	3.6790	2.3840	5.9270
Date	10/12/23	11/06/23	12/26/23	01/16/24	02/01/24	03/18/24	04/29/24	05/24/24	06/20/24	07/12/24	08/18/24	09/03/24	10/01/24	11/02/24	12/15/24	01/03/25	02/12/25	03/11/25	04/23/25	05/06/25

SCG Project No.: 525317.B

Project: Quarterly WET



Inactive Mine Reclamation Program
Division of Reclamation, Mining & Safety
1313 Sherman Street
Denver, CO 80203

07/30/2025 25US0221

Re: Monthly Mine Pool Results for June 2025

Schwartzwalder Mine CO0001244

TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

Attached are the monthly mine pool results for June 2025. The sample was taken on June 19th.

Best regards, Linkan

Potale Daly

Patrick M. Delaney
Operator Responsible in Charge (ORC)
Black Fox Mining, LLC



Enclosures:

June 2025 Mine Pool Results

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
Jared Buck, Linkan, jared.buck@linkan.com
Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com



ANALYTICAL SUMMARY REPORT

July 15, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061875 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 6/20/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25061875-001	Mine Pool	06/19/25 9:40	06/20/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity to pH 4.5 Cyanide, Weak Acid Dissociable Mercury, Dissolved Mercury, Total Oxygen, Dissolved Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Metals Digestion by E200.2 Mercury Digestion by E245.1 E365.1 Digestion, Total P Low Level Phosphorus, Orthophosphate as P Low level Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Dissolved Radium 228, Total Solids, Total Dissolved Solids, Total Suspended

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

Report Date: 07/15/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25061875 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

"J" qualified analyte concentrations are below the laboratory minimum recommended Reporting Limit (RL) and above the calculated method detection limit (MDL). The laboratory reporting limits are based on the lowest calibration standard for the method and are set at levels which can be reliably quantitated. Metals reporting limits are based on the MDL and through examination of blank performance. MDL's are statistically calculated values determined through analysis of a clean sample matrix.

Inorganic analytes reported with "J" qualifiers should be verified against the corresponding method blank. Inorganic "J" quantitations near the MDL may be suspect due to possible method background levels, sample matrix effects, and/or daily variability in instrument signal-to-noise levels.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/15/25 Schwartzwalder Mine Project: Collection Date: 06/19/25 09:40 B25061875-001 Lab ID: DateReceived: 06/20/25 Client Sample ID: Mine Pool Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	28	mg/L		10		A2540 D	06/20/25 14:42 / pjw
Solids, Total Dissolved TDS @ 180 C		mg/L		100		A2540 C	06/20/25 14:35 / etv
INORGANICS							
Alkalinity, Total as CaCO3	878	mg/L		4		A2320 B	06/20/25 16:58 / spb
Bicarbonate as CaCO3		mg/L		3		A2320 B	06/20/25 16:58 / spb
Carbonate as CaCO3		mg/L		7		A2320 B	06/20/25 16:58 / spb
Chloride		mg/L		5		E300.0	06/21/25 23:49 / caa
Sulfate		mg/L		20		E300.0	06/21/25 23:49 / caa
Fluoride		mg/L		0.2		E300.0	06/21/25 23:49 / caa
Hydroxide as CaCO3		mg/L		10		A2320 B	06/20/25 16:58 / spb
Cyanide, Weak Acid Dissociable		mg/L		0.005		Kelada-01	06/23/25 11:51 / fap
Oxygen, Dissolved		mg/L	Н	0.1		A4500-O G	06/20/25 13:51 / mbs
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.01	mg/L		0.01		E353.2	06/27/25 14:05 / rs4
Phosphorus, Orthophosphate as P	0.012	-		0.002		E365.1	06/20/25 17:24 / taz
Phosphorus, Total as P	0.118	Ū		0.002		E365.1	06/25/25 12:48 / taz
METALS, DISSOLVED							
Aluminum	0.002	mg/L	J	0.03		E200.8	06/24/25 02:00 / aem
Antimony		mg/L		0.001		E200.8	06/27/25 00:25 / aem
Arsenic	0.024	•		0.001		E200.8	06/24/25 02:00 / aem
Boron		mg/L		0.05		E200.7	06/23/25 17:12 / enb
Calcium		mg/L		1		E200.7	06/23/25 17:12 / enb
Chromium		mg/L		0.005		E200.8	06/24/25 02:00 / aem
Copper		mg/L		0.005		E200.8	06/24/25 02:00 / aem
ron		mg/L		0.02		E200.8	06/24/25 02:00 / aem
Lead		mg/L		0.001		E200.8	06/24/25 02:00 / aem
Magnesium		mg/L		1		E200.7	06/23/25 17:12 / enb
Vanganese	0.593	-		0.001		E200.8	06/24/25 02:00 / aem
Mercury		mg/L		0.0001		E245.1	06/24/25 15:16 / mjb
Molybdenum		mg/L		0.001		E200.8	06/24/25 02:00 / aem
Potassium		mg/L		2		E200.7	06/23/25 17:12 / enb
Silver		mg/L		0.001		E200.8	06/25/25 18:49 / aem
Sodium		mg/L		1		E200.7	06/23/25 17:12 / enb
Thallium		mg/L		0.0005		E200.8	06/24/25 02:00 / aem
Uranium		mg/L		0.0003		E200.7	06/23/25 17:12 / enb
Zinc		mg/L		0.01		E200.7	06/24/25 02:00 / aem
METALS, TOTAL							
Aluminum	0.006	mg/L	J	0.03		E200.8	06/26/25 23:37 / aem
Antimony		mg/L	-	0.001		E200.8	06/26/25 23:37 / aem
Arsenic	0.029	•		0.001		E200.8	06/26/25 23:37 / aem

Report RL - Analyte Reporting Limit Definitions:

QCL - Quality Control Limit

H - Analysis performed past the method holding time

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

J - Estimated value - analyte was present but less than the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/15/25 Schwartzwalder Mine Collection Date: 06/19/25 09:40 Project: B25061875-001 Lab ID: DateReceived: 06/20/25 Client Sample ID: Mine Pool Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL Me	thod	Analysis Date / By
METALS, TOTAL							
Boron	0.35	mg/L		0.05	E20	00.7	06/25/25 18:20 / enb
Chromium	ND	mg/L		0.005	E20	8.00	06/27/25 17:39 / jks
Copper	0.001	mg/L	J	0.005	E20	8.00	06/26/25 23:37 / aem
Iron	10.3	mg/L		0.02	E20	8.00	06/26/25 23:37 / aem
Lead	ND	mg/L		0.001	E20	8.00	06/26/25 23:37 / aem
Manganese	0.560	mg/L		0.001	E20	8.00	06/26/25 23:37 / aem
Mercury	ND	mg/L		0.0001	E24	45.1	06/24/25 15:18 / mjb
Molybdenum	1.24	mg/L		0.001	E20	8.00	06/26/25 23:37 / aem
Silver	0.00001	mg/L	J	0.001	E20	8.00	06/26/25 23:37 / aem
Thallium	ND	mg/L		0.0005	E20	8.00	06/27/25 17:39 / jks
Zinc	0.003	mg/L	J	0.01	E20	8.00	06/26/25 23:37 / aem
RADIONUCLIDES - DISSOLVED							
Radium 226	95.5	pCi/L			E90	03.0	06/30/25 14:44 / eli-ca
Radium 226 precision (±)	14.7	pCi/L			E90	03.0	06/30/25 14:44 / eli-ca
Radium 226 MDC	0.2	pCi/L			E90	03.0	06/30/25 14:44 / eli-ca
RADIONUCLIDES - TOTAL							
Gross Alpha	24000	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Gross Alpha precision (±)	5200	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Gross Alpha MDC	33.1	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Gross Beta	5740	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Gross Beta precision (±)	374	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Gross Beta MDC	21.8	pCi/L			E90	0.00	07/12/25 02:18 / eli-ca
Radium 226	70.6	pCi/L			E90	03.0	07/08/25 12:11 / eli-ca
Radium 226 precision (±)	10.8	pCi/L			E90	03.0	07/08/25 12:11 / eli-ca
Radium 226 MDC	0.2	pCi/L			E90	03.0	07/08/25 12:11 / eli-ca
Radium 228	0.5	pCi/L	U		RA	-05	07/03/25 12:53 / eli-ca
Radium 228 precision (±)	0.6	pCi/L			RA	-05	07/03/25 12:53 / eli-ca
Radium 228 MDC	0.9	pCi/L			RA	-05	07/03/25 12:53 / eli-ca
Radium 226 + Radium 228	71.0	pCi/L			A7	500-RA	07/11/25 13:24 / eli-ca
Radium 226 + Radium 228 precision (±)	10.9	pCi/L			A7	500-RA	07/11/25 13:24 / eli-ca
Radium 226 + Radium 228 MDC	0.9	pCi/L			A7	500-RA	07/11/25 13:24 / eli-ca

Report RL - Analyte Reporting Limit Definitions:

QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL)

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

U - Not detected

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch:	R444476
Lab ID: LCS	Lab	oratory Con	trol Sample			Run: METR	OHM 2_250620A	١	06/20/	25 15:58
Alkalinity, Total as CaCO3		102	mg/L	4.0	102	90	110			
Lab ID: MBLK	Met	hod Blank				Run: METR	OHM 2_250620A		06/20/	25 16:27
Alkalinity, Total as CaCO3		ND	mg/L	4						
Lab ID: B25061894-005BDUF	7 Sar	nple Duplica	ate			Run: METR	OHM 2_250620A		06/20/	25 17:51
Alkalinity, Total as CaCO3		180	mg/L	4.0				0.1	10	
Bicarbonate as HCO3		220	mg/L	4.0				0.1	10	
Carbonate as CO3		ND	mg/L	4.0					10	
Hydroxide as OH		ND	mg/L	4.0					10	
Bicarbonate as CaCO3		180	mg/L	3.3				0.1	10	
Carbonate as CaCO3		ND	mg/L	6.7					10	
Hydroxide as CaCO3		ND	mg/L	12						

RL - Analyte Reporting Limit



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875						Repo	rt Date: 0	7/01/25	
Analyte Cou	nt Result	Units	RL	%REC Low	Limit Hi	gh Limit	RPD RI	PDLimit	Qual
Method: A2540 C							Bato	ch: TDS20	250620B
Lab ID: MBLK_20250620-6	Method Blank			Run:	Bal #30_2	250620B		06/20/2	25 14:31
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	20						
Lab ID: LCS_20250620-4	Laboratory Cor	trol Sample		Run:	Bal #30_2	250620B		06/20/2	25 14:31
Solids, Total Dissolved TDS @ 180 C	925	mg/L	25	93	90	110			
Lab ID: B25061872-001ADUP	Sample Duplica	ate		Run:	Bal #30_2	250620B		06/20/	25 14:32
Solids, Total Dissolved TDS @ 180 C	37100	mg/L	1200				0.1	10	
Lab ID: B25061344-010ADUP	Sample Duplica	ate		Run:	Bal #30_2	250620B		06/20/2	25 14:36
Solids, Total Dissolved TDS @ 180 C	5500	mg/L	250				1.2	10	Н



QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte Co.	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							E	Batch: TSS20	0250620B
Lab ID: MBLK_20250620-7	Method Blank				Run: BAL #	30_250620E		06/20/	/25 14:41
Solids, Total Suspended TSS @ 105 @	C ND	mg/L	0.6						
Lab ID: LCS_20250620-5	Laboratory Cor	ntrol Sample			Run: BAL #	30_250620E		06/20/	/25 14:41
Solids, Total Suspended TSS @ 105 @	C 103	mg/L	25	103	80	120			
Lab ID: B25061875-001CDUP	Sample Duplica	ate			Run: BAL #	30_250620E		06/20/	/25 14:42
Solids, Total Suspended TSS @ 105 @	27.8	mg/L	10				1.4	10	

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	A4500-O G								Batch:	R444534
Lab ID:	B25061875-001BDUP	Sar	mple Duplica	ate		Run: DO_M	ETER_250620	А	06/20/	/25 13:58
Oxygen, I	Dissolved		4.69	mg/L	0.10			8.7	30	Н



QA/QC Summary Report

Prepared by Billings, MT Branch

Work C	order: B25061875				-			Repo	ort Date:	07/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical	Run: IC M	METROHM 1	_250619A
Lab ID:	CCV	3 (Continuing Cali	bration Ver	rification Standaı	d				06/21	/25 22:10
Chloride			25.7	mg/L	1.0	103	90	110			
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.25	mg/L	0.10	100	90	110			
Method:	E300.0									Batch:	R444488
Lab ID:	ICB	3 N	lethod Blank				Run: IC ME	TROHM 1_250	619A	06/19	/25 11:55
Chloride			ND	mg/L	0.1						
Sulfate			ND	mg/L	0.5						
Fluoride			ND	mg/L	0.01						
Lab ID:	LFB	3 L	aboratory Fort	ified Blank			Run: IC ME	TROHM 1_250)619A	06/19	/25 12:11
Chloride			24.8	mg/L	1.0	99	90	110			
Sulfate			103	mg/L	1.1	103	90	110			
Fluoride			1.28	mg/L	0.10	102	90	110			
Lab ID:	B25061873-002AMS	3 5	Sample Matrix	Spike			Run: IC ME	TROHM 1_250)619A	06/21	/25 22:59
Chloride			29.9	mg/L	1.0	104	90	110			
Sulfate			184	mg/L	1.1	103	90	110			
Fluoride			1.43	mg/L	0.10	102	90	110			
Lab ID:	B25061873-002AMSD	3 5	Sample Matrix	Spike Dupl	icate		Run: IC ME	TROHM 1_250)619A	06/21	/25 23:16
Chloride			30.4	mg/L	1.0	106	90	110	1.4	20	
Sulfate			187	mg/L	1.1	106	90	110	1.5	20	
Fluoride			1.46	mg/L	0.10	104	90	110	1.8	20	

Qualifiers:

RL - Analyte Reporting Limit

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QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte		Count F	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E353.2							Ana	lytical Ru	n: FIA203-B_	_250627A
Lab ID:	ICV	Initial (Calibratio	n Verification Sta	ındard					06/27/	25 10:50
Nitrogen,	Nitrate+Nitrite as N		0.550	mg/L	0.010	97	90	110			
Lab ID:	CCV_20250627-10	Contin	uing Cali	bration Verification	n Standa	rd				06/27/	25 13:53
Nitrogen,	Nitrate+Nitrite as N		1.02	mg/L	0.010	102	90	110			
Method:	E353.2									Batch:	R444974
Lab ID:	FilterMBLK	Metho	d Blank				Run: FIA20	3-B_250627A		06/27/	25 10:51
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	MBLK_20250627-3	Metho	d Blank				Run: FIA20	3-B_250627A		06/27/	25 10:52
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	FilterLFB	Labora	atory Fort	ified Blank			Run: FIA20	3-B_250627A		06/27/	25 10:53
Nitrogen,	Nitrate+Nitrite as N		0.969	mg/L	0.010	97	90	110			
Lab ID:	LFB_20250627-1	Labora	atory Fort	ified Blank			Run: FIA20	3-B_250627A		06/27/	25 10:54
Nitrogen,	Nitrate+Nitrite as N		0.999	mg/L	0.010	100	90	110			
Lab ID:	B25061847-001CMS	Sampl	e Matrix S	Spike			Run: FIA20	3-B_250627A		06/27/	25 13:57
Nitrogen,	Nitrate+Nitrite as N		1.00	mg/L	0.010	100	90	110			
Lab ID:	B25061847-001CMSE	S ampl	e Matrix S	Spike Duplicate			Run: FIA20	3-B_250627A		06/27/	25 13:58
Nitrogen,	Nitrate+Nitrite as N		1.05	mg/L	0.010	105	90	110	4.4	10	

Qualifiers:

RL - Analyte Reporting Limit



QA/QC Summary Report

Prepared by Billings, MT Branch

Method: Lab ID:	E365.1 ICV us, Orthophosphate as F	Count	Result	Units	RL	0/ BEC	1 1 !!				
Lab ID: Phosphor Method: Lab ID:	ICV					%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Phosphor Method: Lab ID:								Analy	ytical Ru	n: FIA204-B	_250620A
Method: Lab ID:	rus, Orthophosphate as F	Initia	al Calibratio	on Verification	Standard					06/20	/25 17:18
Lab ID:	, , ,	o	0.252	mg/L	0.0050	101	90	110			
	E365.1									Batch:	: R444570
-	ICB	Metl	hod Blank				Run: FIA20	4-B_250620A		06/20	/25 17:20
Phosphor	rus, Orthophosphate as F	•	ND	mg/L	0.001						
Lab ID:	LFB	Labo	oratory For	tified Blank			Run: FIA20	4-B_250620A		06/20	/25 17:21
Phosphor	rus, Orthophosphate as F	0	0.253	mg/L	0.0050	101	90	110			
Lab ID:	B25061875-001AMS	Sam	nple Matrix	Spike			Run: FIA20	4-B_250620A		06/20	/25 17:25
Phosphor	rus, Orthophosphate as F	o	0.257	mg/L	0.0020	98	90	110			
Lab ID:	B25061875-001AMSD	Sam	nple Matrix	Spike Duplica	ite		Run: FIA20	4-B_250620A		06/20	/25 17:26
Phosphor	rus, Orthophosphate as F	0	0.246	mg/L	0.0020	94	90	110	4.4	10	
Method:	E365.1							Analytic	cal Run:	SEAL201-B	250625A
Lab ID:	ICV-198785	Initia	al Calibratio	on Verification	Standard					06/25	/25 10:04
Phosphor	rus, Total as P		0.504	mg/L	0.0050	101	90	110			
Lab ID:	CCV-198785	Con	tinuing Cal	ibration Verific	ation Standa	rd				06/25	/25 12:39
Phosphor	rus, Total as P		0.536	mg/L	0.0050	107	90	110			
Method:	E365.1									Batc	h: 200872
Lab ID:	MB-200872	Metl	hod Blank				Run: SEAL	201-B_250625A		06/25	/25 12:25
Phosphor	rus, Total as P		ND	mg/L	0.002						
Lab ID:	LCS-200872	Labo	oratory Cor	ntrol Sample			Run: SEAL	201-B_250625A		06/25	/25 12:26
Phosphor	rus, Total as P		0.190	mg/L	0.0050	95	90	110			
Lab ID:	B25061894-003EMS	Sam	nple Matrix	Spike			Run: SEAL	201-B_250625A		06/25	/25 12:52
Phosphor	rus, Total as P		0.200	mg/L	0.0020	98	90	110			
Lab ID:	B25061894-003EMSD	Sam	nple Matrix	Spike Duplica	ite		Run: SEAL	201-B_250625A		06/25	/25 12:53
Phosphor	rus, Total as P		0.201	mg/L	0.0020	99	90	110	0.6	10	

Qualifiers:

RL - Analyte Reporting Limit



QA/QC Summary Report

Prepared by Billings, MT Branch

Work (Order: B25061875							Repor	rt Date:	: 07/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	Kelada-01							Analyti	cal Run	: SFA-202-B	_250623A
Lab ID:	ICV	Initi	al Calibration	on Verification S	Standard					06/23/	/25 11:18
Cyanide,	Weak Acid Dissociable		0.0942	mg/L	0.0050	94	90	110			
Method:	Kelada-01									Batch:	R444647
Lab ID:	ICB	Me	thod Blank				Run: SFA-2	202-B_250623A		06/23	/25 11:20
Cyanide,	Weak Acid Dissociable		ND	mg/L	0.002						
Lab ID:	LFB	Lab	oratory For	tified Blank			Run: SFA-2	202-B_250623A		06/23	/25 11:22
Cyanide,	Weak Acid Dissociable		0.0978	mg/L	0.0050	98	90	110			
Lab ID:	LCS1-ZnCN2	Lab	oratory Co	ntrol Sample			Run: SFA-2	202-B_250623A		06/23	/25 11:24
Cyanide,	Weak Acid Dissociable		0.0939	mg/L	0.0050	94	90	110			
Lab ID:	B25061749-001GMS	Sar	mple Matrix	Spike			Run: SFA-2	202-B_250623A		06/23	/25 11:41
Cyanide,	Weak Acid Dissociable		0.0993	mg/L	0.0050	99	80	120			
Lab ID:	B25061749-001GMSI	D Sar	mple Matrix	Spike Duplicate	9		Run: SFA-2	202-B_250623A		06/23/	/25 11:45
Cyanide,	Weak Acid Dissociable		0.0965	mg/L	0.0050	96	80	120	2.9	10	

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD RF	PDLimit	Qual
Method:	E200.7							Anal	ytical Run: I0	CP205-B ₋	_250623A
Lab ID:	ICV	6 Co	ntinuing Cal	ibration Verif	ication Standar	·d				06/23/	/25 14:52
Boron			2.59	mg/L	0.10	104	95	105			
Calcium			25.2	mg/L	1.0	101	95	105			
Magnesiu	m		25.3	mg/L	1.0	101	95	105			
Potassiun	n		25.0	mg/L	1.0	100	95	105			
Sodium			25.1	mg/L	1.0	101	95	105			
Uranium			2.50	mg/L	0.10	100	95	105			
Lab ID:	ccv	6 Co	ntinuing Cal	ibration Verif	ication Standar	rd				06/23/	/25 17:07
Boron			2.57	mg/L	0.10	103	90	110			
Calcium			25.0	mg/L	1.0	100	90	110			
Magnesiu	m		25.2	mg/L	1.0	101	90	110			
Potassiun	n		24.8	mg/L	1.0	99	90	110			
Sodium			25.0	mg/L	1.0	100	90	110			
Uranium			2.48	mg/L	0.10	99	90	110			
Method:	E200.7									Batch:	R444669
Lab ID:	MB-5900DIS250623A	6 Me	thod Blank				Run: ICP20	5-B_250623A		06/23/	/25 15:06
Boron			ND	mg/L	0.006						
Calcium			ND	mg/L	0.06						
Magnesiu	m		ND	mg/L	0.05						
Potassiun	n		ND	mg/L	0.1						
Sodium			ND	mg/L	0.05						
Uranium			ND	mg/L	0.04						
Lab ID:	LFB-5900DIS250623	4 6 Lat	ooratory For	tified Blank			Run: ICP20	5-B_250623A		06/23/	/25 15:08
Boron			1.03	mg/L	0.10	103	85	115			
Calcium			49.7	mg/L	1.0	99	85	115			
Magnesiu	m		50.3	mg/L	1.0	101	85	115			
Potassiun	n		49.9	mg/L	1.0	100	85	115			
Sodium			50.1	mg/L	1.0	100	85	115			
Uranium			1.04	mg/L	0.10	104	85	115			
Lab ID:	B25061874-001CMS2	2 6 Sa	mple Matrix	Spike			Run: ICP20	5-B_250623A		06/23/	/25 17:06
Boron			1.06	mg/L	0.050	106	70	130			
Calcium			53.7	mg/L	1.0	103	70	130			
Magnesiu	m		53.9	mg/L	1.0	105	70	130			
Potassiun	n		53.7	mg/L	1.0	104	70	130			
Sodium			54.8	mg/L	1.0	104	70	130			
Uranium			0.999	mg/L	0.10	100	70	130			
Lab ID:	B25061874-001CMSE)2 6 Sai	mple Matrix	Spike Duplic	ate		Run: ICP20	5-B_250623A		06/23/	/25 17:10
Boron			1.12	mg/L	0.050	112	70	130	5.3	20	
Calcium			56.6	mg/L	1.0	109	70	130	5.3	20	
Magnesiu	m		56.9	mg/L	1.0	111	70	130	5.3	20	
						440	70	400	- 4		
Potassiun	n		56.7	mg/L	1.0	110	70	130	5.4	20	

Qualifiers:

RL - Analyte Reporting Limit

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7									Batch:	R444669
Lab ID:	B25061874-001CMSD	2 6 Sa	mple Matrix	Spike Duplicate			Run: ICP20	5-B_250623A		06/23/	/25 17:10
Uranium			1.05	mg/L	0.10	105	70	130	5.4	20	
Method:	E200.7							Anal	ytical Ru	n: ICP205-B_	_250625B
Lab ID:	ICV	Co	ontinuing Cal	ibration Verification	on Standar	d				06/25/	/25 13:49
Boron			2.55	mg/L	0.10	102	95	105			
Lab ID:	CCV	Co	ontinuing Cal	ibration Verification	on Standar	rd				06/25/	/25 18:14
Boron			2.59	mg/L	0.10	103	90	110			
Method:	E200.7									Batcl	h: 200879
Lab ID:	MB-200879	Me	ethod Blank				Run: ICP20	5-B_250625B		06/25/	/25 18:07
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-200879	La	boratory Cor	ntrol Sample			Run: ICP20	5-B_250625B		06/25/	/25 18:08
Boron			1.07	mg/L	0.10	107	85	115			
Lab ID:	B25061874-001DMS3	Sa	mple Matrix	Spike			Run: ICP20	5-B_250625B		06/25/	/25 18:18
Boron			1.07	mg/L	0.050	107	70	130			
Lab ID:	B25061874-001DMSD	3 Sa	mple Matrix	Spike Duplicate			Run: ICP20	5-B_250625B		06/25/	/25 18:19
Boron			1.07	mg/L	0.050	107	70	130	0.1	20	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061875 Report Date: 07/01/25

Analyte	Count F	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPDLimit	Qual
Method: E200.8	-						Analytic	cal Run: ICPMS208-B	_250625B
Lab ID: QCS	10 Initial (Calibratio	on Verificati	on Standard				06/25	/25 17:31
Aluminum		0.201	mg/L	0.020	101	90	110		
Antimony	(0.0415	mg/L	0.0050	104	90	110		
Arsenic	(0.0386	mg/L	0.0050	96	90	110		
Copper	(0.0382	mg/L	0.010	96	90	110		
Iron		0.208	mg/L	0.020	104	90	110		
Lead	(0.0399	mg/L	0.0010	100	90	110		
Manganese		0.192	mg/L	0.0050	96	90	110		
Molybdenum	(0.0420	mg/L	0.0050	105	90	110		
Silver	(0.0209	mg/L	0.0050	105	90	110		
Zinc	(0.0384	mg/L	0.0050	96	90	110		
Lab ID: CCV	10 Contin	uing Cal	ibration Ver	ification Standa	rd			06/25	/25 17:37
Aluminum	(0.0482	mg/L	0.020	96	90	110		
Antimony	(0.0503	mg/L	0.0050	101	90	110		
Arsenic	(0.0474	mg/L	0.0050	95	90	110		
Copper	(0.0464	mg/L	0.010	93	90	110		
Iron		1.26	mg/L	0.020	97	90	110		
Lead	(0.0499	mg/L	0.0010	100	90	110		
Manganese	(0.0475	mg/L	0.0050	95	90	110		
Molybdenum	(0.0507	mg/L	0.0050	101	90	110		
Silver	(0.0201	mg/L	0.0050	100	90	110		
Zinc	(0.0476	mg/L	0.0050	95	90	110		
Lab ID: QCS	10 Initial (Calibratio	on Verificati	on Standard				06/26	/25 18:52
Aluminum		0.202	mg/L	0.020	101	90	110		
Antimony	(0.0414	mg/L	0.0050	104	90	110		
Arsenic	(0.0377	mg/L	0.0050	94	90	110		
Copper	(0.0375	mg/L	0.010	94	90	110		
Iron		0.199	mg/L	0.020	100	90	110		
Lead	(0.0392	mg/L	0.0010	98	90	110		
Manganese		0.188	mg/L	0.0050	94	90	110		
Molybdenum	(0.0415	mg/L	0.0050	104	90	110		
Silver	(0.0201	mg/L	0.0050	100	90	110		
Zinc	(0.0376	mg/L	0.0050	94	90	110		
Lab ID: CCV	10 Contin	uing Cal	ibration Ver	ification Standa	rd			06/26	/25 23:02
Aluminum	(0.0498	mg/L	0.020	100	90	110		
Antimony	(0.0500	mg/L	0.0050	100	90	110		
Arsenic	(0.0462	mg/L	0.0050	92	90	110		
Copper	(0.0454	mg/L	0.010	91	90	110		
Iron		1.18	mg/L	0.020	90	90	110		
Lead	(0.0482	mg/L	0.0010	96	90	110		
Manganese	(0.0462	mg/L	0.0050	92	90	110		
Molybdenum	(0.0503	mg/L	0.0050	101	90	110		
Silver	(0.0191	mg/L	0.0050	96	90	110		
Zinc	(0.0453	mg/L	0.0050	91	90	110		

Qualifiers:

RL - Analyte Reporting Limit



Work Order: B25061875

QA/QC Summary Report

Prepared by Billings, MT Branch

Report Date: 07/01/25 RL %REC Low Limit High Limit **Analyte** Count Result Units **RPD RPDLimit** Qual Method: E200.8 Analytical Run: ICPMS208-B_250625B Lab ID: CCV 10 Continuing Calibration Verification Standard 06/26/25 23:02 Method: E200.8 Batch: 200879 Lab ID: MB-200879 12 Method Blank Run: ICPMS208-B_250625B 06/26/25 19:28 Aluminum ND mg/L 0.002 ND Antimony mg/L 0.0004 Arsenic ND mg/L 0.0002 Chromium ND mg/L 0.0005 Copper ND mg/L 0.00009 ND mg/L 0.006 Iron ND 0.00004 Lead mg/L ND 0.00009 Manganese mg/L Molybdenum ND mg/L 0.0001 5E-6 Silver ND mg/L Thallium ND mg/L 0.0003 Zinc ND mg/L 0.001 Lab ID: LCS4-200879 12 Laboratory Control Sample Run: ICPMS208-B 250625B 06/26/25 19:46 0.496 0.010 Aluminum mg/L 99 85 115 Antimony 0.101 mg/L 0.0050 101 85 115 Arsenic 0.0923 mg/L 0.0010 92 85 115 Chromium 0.0900 0.0010 90 85 115 mg/L Copper 0.0906 mg/L 0.0010 91 85 115 Iron 0.494 mg/L 0.010 gg 85 115 0.0976 mg/L 0.0010 98 85 115 Lead Manganese 0.457 mg/L 0.0010 91 85 115 Molybdenum 0.100 mg/L 0.0050 100 85 115 85 Silver 0.00970 0.0050 mg/L 97 115 Thallium 0.109 0.0010 109 85 115 mg/L 0.0933 Zinc mg/L 0.0020 93 85 115 6/26/25 22:20

	0.000	9/ =	0.0020	00	00		
Lab ID: B25061784-001BMS4	12 Sample Matrix	Spike		Ru	un: ICPMS20	8-B_250625B	06/26/25 22:20
Aluminum	0.672	mg/L	0.030	107	70	130	
Antimony	0.102	mg/L	0.0010	102	70	130	
Arsenic	0.100	mg/L	0.0010	97	70	130	
Chromium	0.0944	mg/L	0.0050	93	70	130	
Copper	0.0913	mg/L	0.0050	91	70	130	
Iron	8.78	mg/L	0.020		70	130	Α
Lead	0.103	mg/L	0.0010	103	70	130	
Manganese	2.19	mg/L	0.0010	85	70	130	
Molybdenum	0.102	mg/L	0.0010	101	70	130	
Silver	0.0100	mg/L	0.0010	100	70	130	
Thallium	0.120	mg/L	0.00050	120	70	130	
Zinc	0.0962	mg/L	0.010	95	70	130	
Lab ID: B25061784-001BMSI	D4 12 Sample Matrix	Spike Dup	licate	Rı	un: ICPMS20	8-B_250625B	06/26/25 22:26

0.030

103

0.654

mg/L

Qualifiers:

Aluminum

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

130

2.7

70

ND - Not detected at the Reporting Limit (RL)

20

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte		Count Re	esult	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batcl	h: 200879
Lab ID:	B25061784-001BMSE	12 Sample	Matrix S	pike Duplic	cate		Run: ICPMS	S208-B_250625E	3		/25 22:26
Antimony			0.103	mg/L	0.0010	103	70	130	0.9	20	
Arsenic			0958	mg/L	0.0010	92	70	130	4.5	20	
Chromium	า		0912	mg/L	0.0050	90	70	130	3.4	20	
Copper		0.0	0880	mg/L	0.0050	87	70	130	3.6	20	
Iron			8.43	mg/L	0.020		70	130	4.1	20	Α
Lead		0).101	mg/L	0.0010	101	70	130	2.1	20	
Manganes	se		2.14	mg/L	0.0010	75	70	130	2.4	20	
Molybdeni			0.102	mg/L	0.0010	102	70	130	0.7	20	
Silver			0971	mg/L	0.0010	97	70	130	3.1	20	
Thallium).116	mg/L	0.00050	116	70	130	3.1	20	
Zinc			0944	mg/L	0.010	93	70	130	1.9	20	
Lab ID:	B25061875-001EMS4	. 12 Sample	Matrix S	pike			Run: ICPMS	S208-B_250625E	3	06/26/	/25 23:43
Aluminum	1	0).505	mg/L	0.030	100	70	130			
Antimony		0).102	mg/L	0.0010	102	70	130			
Arsenic		0).127	mg/L	0.0010	98	70	130			
Chromium	า	0.0	0931	mg/L	0.0050	93	70	130			
Copper		0.0	0896	mg/L	0.0050	88	70	130			
Iron			10.9	mg/L	0.020		70	130			Α
Lead		0	0.100	mg/L	0.0010	100	70	130			
Manganes	se		1.04	mg/L	0.0010	95	70	130			
Molybdeni	um		1.38	mg/L	0.0010		70	130			Α
Silver		0.00	0968	mg/L	0.0010	97	70	130			
Thallium		0).105	mg/L	0.0010	105	70	130			
Zinc		0.0	0929	mg/L	0.010	90	70	130			
Lab ID:	B25061875-001EMSE	12 Sample	Matrix S	pike Duplic	cate		Run: ICPMS	S208-B_250625E	3	06/26/	/25 23:49
Aluminum	1	0	.486	mg/L	0.030	96	70	130	3.8	20	
Antimony		0.0	0996	mg/L	0.0010	100	70	130	2.4	20	
Arsenic		0).122	mg/L	0.0010	93	70	130	4.2	20	
Chromium	ı	0.0	0890	mg/L	0.0050	89	70	130	4.6	20	
Copper		0.0	0864	mg/L	0.0050	85	70	130	3.7	20	
Iron			10.9	mg/L	0.020		70	130	0.1	20	Α
Lead		0.0	0948	mg/L	0.0010	95	70	130	5.7	20	
Manganes	se		1.02	mg/L	0.0010	91	70	130	2.1	20	
Molybdeni	um		1.35	mg/L	0.0010		70	130	2.2	20	Α
Silver		0.00	0917	mg/L	0.0010	92	70	130	5.4	20	
		0).103	mg/L	0.0010	103	70	130	2.2	20	
Thallium		0.0	0879	mg/L	0.010	85	70	130	5.5	20	
Thallium Zinc											D444040
	E200.8									Batch:	R444816
Zinc	E200.8 LRB	Method	Blank				Run: ICPMS	S208-B_250625E	3		/25 13:14
Zinc Method:		Method	Blank ND	mg/L	5E-6		Run: ICPM\$	S208-B_250625E	3		
Zinc Method: Lab ID:			ND	mg/L iied Blank	5E-6			S208-B_250625E S208-B_250625E		06/25/	

Qualifiers:

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

Report Date: 07/01/25



Work Order: B25061875

QA/QC Summary Report

Prepared by Billings, MT Branch

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R444816
Lab ID:	B25061894-001CMS	Sa	mple Matrix	Spike			Run: ICPM	S208-B_250625B		06/25/	/25 19:42
Silver			0.0192	mg/L	0.0010	96	70	130			
Lab ID:	B25061894-001CMSD	Sa	mple Matrix	Spike Duplic	ate		Run: ICPM	S208-B_250625B		06/25	/25 19:48
Silver			0.0200	mg/L	0.0010	100	70	130	3.8	20	
Lab ID:	B25062003-004AMS	Sa	mple Matrix	Spike			Run: ICPM	S208-B_250625B		06/26	/25 17:09
Silver			0.0176	mg/L	0.0010	88	70	130			
Lab ID:	B25062003-004AMSD	Sa	mple Matrix	Spike Duplic	ate		Run: ICPM	S208-B_250625B		06/26	/25 17:15
Silver			0.0182	mg/L	0.0010	91	70	130	3.3	20	

Prepared by Billings, MT Branch

Work Order: B25061875 Report Date: 07/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD RPI	OLimit	Qual
Method: E200.8							Analytica	l Run: ICPM	S209-B	_250623A
Lab ID: QCS	10 Initial	Calibratio	on Verificatio	n Standard					06/23	/25 20:02
Aluminum		0.216	mg/L	0.020	108	90	110			
Arsenic		0.0390	mg/L	0.0050	98	90	110			
Chromium		0.0389	mg/L	0.010	97	90	110			
Copper		0.0385	mg/L	0.010	96	90	110			
Iron		0.200	mg/L	0.020	100	90	110			
Lead		0.0409	mg/L	0.0010	102	90	110			
Manganese		0.195	mg/L	0.0050	97	90	110			
Molybdenum		0.0412	mg/L	0.0050	103	90	110			
Thallium		0.0415	mg/L	0.0050	104	90	110			
Zinc		0.0389	mg/L	0.0050	97	90	110			
Lab ID: CCV	10 Conti	nuing Cal	ibration Veri	fication Standa	rd				06/24	/25 01:01
Aluminum		0.0508	mg/L	0.020	102	90	110			
Arsenic		0.0481	mg/L	0.0050	96	90	110			
Chromium		0.0474	mg/L	0.010	95	90	110			
Copper		0.0471	mg/L	0.010	94	90	110			
Iron		1.26	mg/L	0.020	97	90	110			
Lead		0.0486	mg/L	0.0010	97	90	110			
Manganese		0.0480	mg/L	0.0050	96	90	110			
Molybdenum		0.0499	mg/L	0.0050	100	90	110			
Thallium		0.0470	mg/L	0.0050	94	90	110			
Zinc		0.0477	mg/L	0.0050	95	90	110			
Method: E200.8									Batch	: R444636
Lab ID: LRB	10 Metho	od Blank				Run: ICPM	S209-B_250623 <i>F</i>	A	06/23	/25 11:40
Aluminum		ND	mg/L	0.0005						
Arsenic		ND	mg/L	0.00002						
Chromium		ND	mg/L	0.00008						
Copper		ND	mg/L	0.00005						
Iron		ND	mg/L	0.001						
Lead		ND	mg/L	0.00001						
Manganese		ND	mg/L	0.00007						
Molybdenum		ND	mg/L	0.0002						
Thallium		ND	mg/L	0.00007						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	10 Labor	atory For	tified Blank			Run: ICPM	S209-B_250623 <i>F</i>	4	06/23	/25 20:29
Aluminum		0.0478	mg/L	0.020	96	85	115			
Arsenic		0.0453	mg/L	0.0050	91	85	115			
Chromium		0.0448	mg/L	0.010	90	85	115			
Copper		0.0439	mg/L	0.010	88	85	115			
Iron		4.76	mg/L	0.020	95	85	115			
Lead		0.0477	mg/L	0.0010	95	85	115			
Manganese		0.0452	mg/L	0.0050	90	85	115			
Molybdenum		0.0479	mg/L	0.0050	96	85	115			
Thallium		0.0462	mg/L	0.0050	92	85	115			

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061875 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R444636
Lab ID:	LFB	10 Labo	ratory For	tified Blank			Run: ICPMS	S209-B_250623A		06/23/	25 20:29
Zinc			0.0437	mg/L	0.0050	87	85	115			
Lab ID:	B25061815-001AMS	10 Sam	ple Matrix	Spike			Run: ICPMS	S209-B_250623A		06/24/	25 01:28
Aluminum			0.0606	mg/L	0.030	97	70	130			
Arsenic			0.0485	mg/L	0.0010	96	70	130			
Chromium	1		0.0462	mg/L	0.0050	92	70	130			
Copper			0.0446	mg/L	0.0050	89	70	130			
Iron			4.97	mg/L	0.020	99	70	130			
Lead			0.0476	mg/L	0.0010	95	70	130			
Manganes	se		0.0505	mg/L	0.0010	92	70	130			
Molybdeni	um		0.0643	mg/L	0.0010	98	70	130			
Thallium			0.0464	mg/L	0.00050	93	70	130			
Zinc			0.0445	mg/L	0.010	89	70	130			
Lab ID:	B25061815-001AMSD	10 Sam	ple Matrix	Spike Duplic	cate		Run: ICPMS	S209-B_250623A		06/24/	25 01:33
Aluminum			0.0586	mg/L	0.030	93	70	130	3.3	20	
Arsenic			0.0461	mg/L	0.0010	91	70	130	5.1	20	
Chromium	1		0.0443	mg/L	0.0050	89	70	130	4.2	20	
Copper			0.0427	mg/L	0.0050	85	70	130	4.5	20	
Iron			4.90	mg/L	0.020	98	70	130	1.4	20	
Lead			0.0448	mg/L	0.0010	90	70	130	6.1	20	
Manganes	se		0.0487	mg/L	0.0010	88	70	130	3.6	20	
Molybdeni	um		0.0622	mg/L	0.0010	94	70	130	3.2	20	
Thallium			0.0439	mg/L	0.00050	88	70	130	5.5	20	
Zinc			0.0429	mg/L	0.010	86	70	130	3.7	20	

Qualifiers:

RL - Analyte Reporting Limit



Report Date: 07/01/25

QA/QC Summary Report

Prepared by Billings, MT Branch

11318 0	14CI. D20001070							Kepoit	Date	01/01/23	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS209-B	_250625E
Lab ID:	QCS	Init	ial Calibratio	n Verificatio	on Standard					06/26	/25 23:47
Antimony			0.0403	mg/L	0.0050	101	90	110			
Lab ID:	CCV	Co	ntinuing Cal	ibration Veri	ification Standard	ł				06/26	/25 23:52
Antimony			0.0476	mg/L	0.0050	95	90	110			
Method:	E200.8									Batc	h: 200879
Lab ID:	MB-200879	Me	thod Blank				Run: ICPM	S209-B_250625B		06/27	/25 03:33
Antimony			ND	mg/L	0.00002						
Method:	E200.8									Batch:	R444817
Lab ID:	LRB	Me	thod Blank				Run: ICPM	S209-B_250625B		06/25	/25 14:02
Antimony			0.00009	mg/L	0.00002						
Lab ID:	LFB	Lal	ooratory For	tified Blank			Run: ICPM	S209-B_250625B		06/25	/25 14:19
Antimony			0.0484	mg/L	0.0050	97	85	115			
Lab ID:	B25061875-001DMS	Sa	mple Matrix	Spike			Run: ICPM	S209-B_250625B		06/27	/25 00:31
Antimony			0.0906	mg/L	0.0010	91	70	130			
Lab ID:	B25061875-001DMSD) Sa	mple Matrix	Spike Dupli	cate		Run: ICPM	S209-B_250625B		06/27	/25 00:36
Antimony			0.0960	mg/L	0.0010	96	70	130	5.8	20	
Method:	E200.8							Analytical	Run: I	CPMS209-B	_250627A
Lab ID:	QCS	2 Init	ial Calibration	n Verification	on Standard					06/27	/25 13:39
Chromium			0.0400	mg/L	0.010	100	90	110			
Thallium			0.0419	mg/L	0.0050	105	90	110			
Lab ID:	ccv	2 Co	ntinuing Cal	ibration Veri	ification Standard	t				06/27	/25 17:22
Chromium			0.0491	mg/L	0.010	98	90	110			
Thallium			0.0488	mg/L	0.0050	97	90	110			
Method:	E200.8									Batc	h: 200879
Lab ID:	MB-200879	2 Me	thod Blank				Run: ICPM	S209-B_250627A		06/27	/25 16:50
Chromium			ND	mg/L	0.0003						
Thallium			ND	mg/L	0.00008						

Qualifiers:

RL - Analyte Reporting Limit

Work Order: B25061875

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061875 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E245.1							Analytica	al Run:	HGCV203-B	_250624A
Lab ID:	ICV-200839	Initi	al Calibration	on Verification S	tandard					06/24	/25 12:51
Mercury			0.00201	mg/L	0.00010	101	90	110			
Lab ID:	CCV1	Coi	ntinuing Cal	ibration Verifica	tion Standaı	rd				06/24	/25 12:54
Mercury			0.00250	mg/L	0.00010	100	95	105			
Lab ID:	ccv	Coi	ntinuing Cal	ibration Verifica	tion Standaı	rd				06/24	/25 15:10
Mercury			0.00244	mg/L	0.00010	98	90	110			
Method:	E245.1									Batc	h: 200859
Lab ID:	MB-200859	Me	thod Blank				Run: HGCV	/203-B_250624A		06/24	/25 14:57
Mercury			ND	mg/L	0.00006						
Lab ID:	LCS-200859	Lab	oratory Cor	ntrol Sample			Run: HGCV	/203-B_250624A		06/24	/25 14:58
Mercury			0.00208	mg/L	0.00010	104	85	115			
Lab ID:	B25061796-001BMS	Sar	mple Matrix	Spike			Run: HGCV	/203-B_250624A		06/24	/25 15:01
Mercury			0.00207	mg/L	0.00010	103	70	130			
Lab ID:	B25061796-001BMS) Sar	nple Matrix	Spike Duplicate	;		Run: HGCV	/203-B_250624A		06/24	/25 15:02
Mercury			0.00218	mg/L	0.00010	109	70	130	5.6	30	
Lab ID:	B25061918-001BMS	Sar	mple Matrix	Spike			Run: HGCV	/203-B_250624A	L	06/24	/25 15:34
Mercury			0.00198	mg/L	0.00010	99	70	130			
Lab ID:	B25061918-001BMSE) Sar	mple Matrix	Spike Duplicate)		Run: HGCV	/203-B_250624A	L	06/24	/25 15:35
Mercury			0.00216	mg/L	0.00010	108	70	130	8.7	30	

Qualifiers:

RL - Analyte Reporting Limit

Prepared by Casper, WY Branch

Work Order: B25061875 **Report Date: 07/14/25** Count Result Units RL %REC Low Limit High Limit RPD RPDLimit Qual **Analyte** Method: E900.0 Batch: GrAB-3441 Lab ID: Th230-GrAB-3441 3 Laboratory Control Sample Run: TENNELEC-4 250707D 07/11/25 01:46 86 Gross Alpha pCi/L 86 70 130 Gross Alpha precision (±) 19 pCi/L Gross Alpha MDC pCi/L 14 Sr90-GrAB-3441 Lab ID: 3 Laboratory Control Sample Run: TENNELEC-4 250707D 07/11/25 01:46 **Gross Beta** 180 pCi/L 98 70 130 Gross Beta precision (±) 12 pCi/L Gross Beta MDC 2.1 pCi/L MB-GrAB-3441 Lab ID: 6 Method Blank Run: TENNELEC-4 250707D 07/11/25 01:46 Gross Alpha -0.6 pCi/L U Gross Alpha precision (±) 0.6 pCi/L Gross Alpha MDC 1 pCi/L Gross Beta -0.1 pCi/L U Gross Beta precision (±) pCi/L Gross Beta MDC 2 pCi/L Lab ID: C25060196-010DDUP 6 Sample Duplicate Run: TENNELEC-4 250707D 07/11/25 01:46 Gross Alpha 0.1 30 22 pCi/L Gross Alpha precision (±) 5.2 pCi/L Gross Alpha MDC 1.6 pCi/L 22 **Gross Beta** 8.5 pCi/L 30 Gross Beta precision (±) 1.4 pCi/L Gross Beta MDC 2.6 pCi/L - The RER result for Alpha is 0.00 and Beta is 1.07. Lab ID: C25060691-006DMS 3 Sample Matrix Spike Run: TENNELEC-4 250707D 07/12/25 02:18 Gross Alpha 92 pCi/L 92 70 130 Gross Alpha precision (±) 20 pCi/L Gross Alpha MDC 1.5 pCi/L C25060691-006DMSD Lab ID: 3 Sample Matrix Spike Duplicate Run: TENNELEC-4 250707D 07/12/25 02:18 130 30 Gross Alpha 95 pCi/L 95 70 3.2 Gross Alpha precision (±) 21 pCi/L Gross Alpha MDC 1.6 pCi/L - The RER result is 0.10. Lab ID: C25060779-003DMS1 3 Sample Matrix Spike Run: TENNELEC-4 250707D 07/12/25 02:18 **Gross Beta** 230 pCi/L 98 70 130 Gross Beta precision (±) 15 pCi/L pCi/L Gross Beta MDC C25060779-003DMSD1 3 Sample Matrix Spike Duplicate Lab ID: 07/12/25 02:18 Run: TENNELEC-4 250707D **Gross Beta** 230 pCi/L 97 70 130 1.0 30

15

2.4

pCi/L

pCi/L

Qualifiers:

RL - Analyte Reporting Limit

Gross Beta precision (±)

- The RER result is 0.11.

Gross Beta MDC

U - Not detected



Prepared by Casper, WY Branch

Work C	Order: B25061875								Repor	t Date	: 07/14/25	
Analyte		Count	Result	Units	RL	%REC	Low Lim	it	High Limit	RPD	RPDLimit	Qual
Method:	E903.0										Batch: RA2	226-11718
Lab ID:	LCS-RA226-11718	3 Lab	oratory Cor	trol Sample			Run: TEN	NNE	LEC-4_250624	Α	06/30	/25 14:01
Radium 2	226		12	pCi/L		118	7	0	130			
Radium 2	226 precision (±)		1.9	pCi/L								
Radium 2	226 MDC		0.24	pCi/L								
Lab ID:	MB-RA226-11718	3 Met	thod Blank				Run: TEN	NNE	LEC-4_250624	A	06/30	/25 14:01
Radium 2	226		0.03	pCi/L								U
Radium 2	226 precision (±)		0.2	pCi/L								
Radium 2	226 MDC		0.3	pCi/L								
Lab ID:	C25060318-005DDUP	3 Sar	mple Duplica	ate			Run: TEN	NNE	LEC-4_250624	A	06/30	/25 14:01
Radium 2	226		90	pCi/L						3.3	30	
Radium 2	226 precision (±)		14	pCi/L								
Radium 2	26 MDC		0.26	pCi/L								
- The RE	R result is 0.15.											
Method:	E903.0										Batch: RA2	226-11723
Lab ID:	LCS-RA226-11723	3 Lab	oratory Cor	itrol Sample			Run: TEN	NNE	LEC-4_250630	С	07/08	/25 10:04
Radium 2	226		9.3	pCi/L		93	7	0	130			
Radium 2	226 precision (±)		1.5	pCi/L								
Radium 2	26 MDC		0.17	pCi/L								
Lab ID:	MB-RA226-11723	3 Met	thod Blank				Run: TEN	NNE	LEC-4_250630	С	07/08	/25 10:04
Radium 2	226		0.1	pCi/L								U
Radium 2	226 precision (±)		0.1	pCi/L								
Radium 2	26 MDC		0.2	pCi/L								
Lab ID:	C25060799-001HDUP	3 Sar	mple Duplica	ate			Run: TEN	NNE	LEC-4_250630	С	07/08	/25 14:55
Radium 2	226		0.012	pCi/L						170	30	UR
Radium 2	226 precision (±)		0.11	pCi/L								
Radium 2	26 MDC		0.19	pCi/L								
- Duplicat	e RPD is outside of the acce	eptance rang	e for this ana	lysis. However, the	RER is less	than or e	qual to the l	imit (of 3. The RER res	ult is 0.7	0.	

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected



QA/QC Summary Report

Prepared by Casper, WY Branch

 Work Order:
 B25061875

 Report Date:
 07/14/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: RA	228-7691
Lab ID: LCS-228-RA226-1172	23 3 Lab	oratory Cor	ntrol Sampl	ole		Run: TENN	ELEC-4_250630	Д	07/03/	/25 12:32
Radium 228		10	pCi/L		112	70	130			
Radium 228 precision (±)		2.7	pCi/L							
Radium 228 MDC		1.1	pCi/L							
Lab ID: MB-RA226-11723	3 Me	thod Blank				Run: TENN	ELEC-4_250630	4	07/03/	/25 12:32
Radium 228		0.4	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25060799-001HDUF	3 Sar	mple Duplica	ate			Run: TENN	ELEC-4_250630	4	07/03/	/25 12:32
Radium 228		0.31	pCi/L					81	30	UR
Radium 228 precision (±)		0.64	pCi/L							
Radium 228 MDC		1.0	pCi/L							

⁻ Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.43.

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Danielle N. Harris

B25061875

Date Received: 6/20/2025

Reviewed by:	cjones		F	Received by: EAH	
Reviewed Date:	6/30/2025		С	arrier name: Return-Fe	dEx NDA
Shipping container/cooler in	good condition?	Yes ✓	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present ✓	
Chain of custody present?		Yes √	No 🗌		
Chain of custody signed whe	n relinquished and received?	Yes √	No 🗌		
Chain of custody agrees with	sample labels?	Yes	No 🗹		
Samples in proper container/	bottle?	Yes 🗸	No 🗌		
Sample containers intact?		Yes 🗸	No 🗌		
Sufficient sample volume for	indicated test?	Yes ✓	No 🗌		
All samples received within h (Exclude analyses that are co such as pH, DO, Res Cl, Su	onsidered field parameters	Yes √	No 🗌		
Temp Blank received in all sh	nipping container(s)/cooler(s)?	Yes ✓	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	5.0°C Blue Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	\checkmark
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

The collection time for the dissolved radium, orthophosphate and dissolved metals containers is not provided and on the chain of custody it is 09:40. Proceeded with the collection time as indicated on the chain of custody. DNH 06/20/25

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
CABORATON'S	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090



Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account In	Account Information (Billing Information)		Report Information (if different than Account information)	ומווסוו (וו מווו	erent man Ac	count morn	ation	וי 	comments	53		
Company/Name Linkan	Linkan		Company/Name Linkan	nkan				0	uarterly	Sampli	ng - N	Quarterly Sampling - Mine Pool
Contact	Chris Prosper		Contact A	Alex Schwiebert	ərt							
Phone	775-777-8003		Phone 77	775-397-6779								
Mailing Address	2720 Ruby Vista Dr		Mailing Address 27	2720 Ruby Vista Dr	sta Dr			Δ.	lease el	nail Rep	oort a	Please email Report and EDD results to:
City, State, Zip	Elko, NV 89801		City, State, Zip El	Elko, NV 89801	1			Ö	ris.pro	chris.prosper@linkan.com	.nkan	moc
Email	AP@linkan.com		Email St	see comments	6			ממ	dam.bill	adam.billin@linkan.com	an.co	
Receive Invoice	☐Hard Copy ■Email Receive Report	Receive Report □Hard Copy ■Email	Receive Report	Hard Copy ■Email	mail			υ 0	eter.hav	arex.scrimieber (@illinkari peter.havs@state.co.us	e.co.t	II.com
Purchase Order 25-0152	Quote Bo H17287 [6	Bottle Order 1997	Special Report/Formats: ☐ LEVEL IV ☐NELAC	Q A	■ EDD/EDT (contact laboratory) □ Other	ooratory) 🗆 O	ther					100
Project Information	rmation		Matrix Codes	es		Anal	Analysis Requested	ested				
Project Name, PV	Project Name, PWSID, Permit, etc. Schwartzwalder Mine	line	A- Air		;		əj		ta,			All turnaround times are
Sampler Name [3 mant	Aceredo	Sampler Phone 720 - 436 -(4)	W- water		sbilo		itiN		eg s	+ 97		RUSH.
Sample Origin State Colorado		empliance Tes No		_		pə	+ 91	9	Sone			Energy Laboratories MUST be contacted prior to
URANIUM MININ Upprocessed (Processed Ore	URANIUM MINING CLIENTS MUST indicate sample type ☐ Unprocessed Ore ☐ Processed Ore (Ground or Refined) **CALL BEFORE SENDING ☐ 11(e)2 Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	ENDING: Location)	B - Bioassay O - Oil DW - Drinking	ğ " odq ləvə.	s (E300.	∕lo <mark>s</mark> siQ ,≀	s Total Ien, Nitra	de, WAD	, shqlA ,	m Radiu Attache o	- Allomit	RUSH sample submittal for charges and scheduling – See Instructions Page
	Sample Identification (Name, Location, Interval, etc.)	Collection Date Time	Number of Containers	Matrix W (See Codes O		Metal	-	Cyani	Gross Total	228	RUSH TAT	ELI LAB ID Laboratory Use Only
1 Mine Pool		(19/25 0940	0/							•		8150°875
2										•		No.
e e												
4												
5					_							
9												
7												
80												
6				-				_				O o i de deiro
Custody	RefinduRED to provide preservative traceability. Refinducion by University Control of C	1 00	Signature MAA	plied with the	Received by (print)	by (print)	nsed, plea	Se attach	Date/Time	ervanve	Signature	If the preservatives supplied with the bottle order were NOT used, please attach your preservative information with this COC.
7			Signatur		Received	Received by Laboratory (print)	y (print)	S C	Challing Challes	1625	Signature	The following the
	9		30 July 10 Jul	NA.			Tellamon Santa	CONTRACTOR OF	100000000000000000000000000000000000000	200000000000000000000000000000000000000		
Shipped By	Cooler ID(s) Custody Seals	Intact Receipt Temp	Temp Temp Blank	nk ≺ On Ce	8	Payme Cash (Payment Type		Amount \$	8	ceipt N	Receipt Number (cash/check only)

250 mL Plastic	1 E353.2	Nitrogen, Nitrate + Nitrite	H2SO4		_
	E365.1	E365.1 Digestion, Total P			
	E365.1	Low level Phosphorus, Total			
500 mL Amber Plastic	1 Kelada-01	Kelada-01 Cyanide, Weak Acid Dissociable	NaOH		1
500 mL Plastic	1 E900.0	Gross Alpha, Gross Beta, Total	HNO3		1
1 Gallon Plastic	1 E903.0	Radium 226, Dissolved	HN03	Filter before preservation	1
1 Gallon Plastic	1 A7500-RA	1 A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
	E903.0	Radium 226, Total		nitric acid vial for preservation.	
	RA-05	Radium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric Acid	H3PO4 - Phosphoric Acid	shipped the same day as they are collected.
Material Safety Data Sheets(MSDS) Available @ EnergyLab.com -> Services -> MSDS Sheets	'Lab.com -> Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	nd Sodium Hydroxide. Zinc Acetate is a skin irritant.	
Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.	 If so, Energy Laboratories will utilize its branch laboratori 	es or qualified contract laboratories for this service. Any such



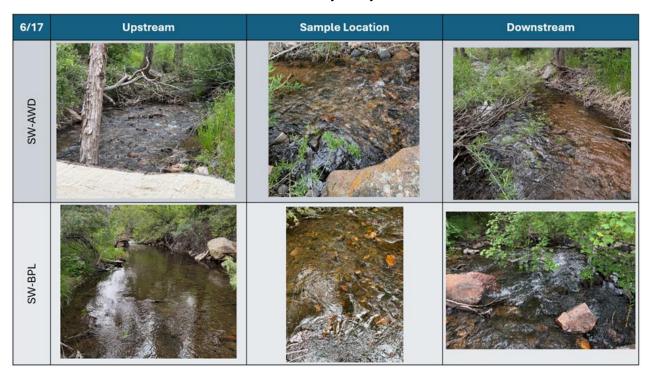
Permits and Enforcement Section Water Quality Control Division CPDHE 4300 Cherry Creek Dr. South Denver, CO 80246-1530 07/25/2025 25US0221

Re: Monthly Surface Water Report for June 2025 Schwartzwalder Mine CO0001244

TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

During the month of June 2025, both the SW-AWD and SW-BPL locations were sampled. The sampling date was June 17th. See the pictures from that sampling event below. The field parameters taken are showcased below as well. Attached are the laboratory analytical results.



Field Parameters

Sample Location	SW-AWD	SW-BPL
Temperature (°C)	13.9	14.9
pH (s.u.)	8.10	7.85
Conductivity (uS/cm)	280.1	309.3
ORP (mV)	99	132



Best regards, Linkan

Patrick M. Delaney Operator Responsible in Charge (ORC) Black Fox Mining, LLC

Enclosures:

June 2025 Surface Water Sampling Results

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
Jared Buck, Linkan, jared.buck@linkan.com
Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com



ANALYTICAL SUMMARY REPORT

July 15, 2025

Linkan Engineering 2720 Ruby Vista Dr Ste 101 Elko, NV 89801-4943

Work Order: B25061579 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 6/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25061579-001	SW-AWD	06/17/25 9:24	06/18/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Cyanide, Weak Acid Dissociable Anions by Ion Chromatography Nitrogen, Nitrate + Nitrite Metals Digestion by E200.2 E365.1 Digestion, Total P Low Level Phosphorus, Orthophosphate as P Low Ievel Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Total Radium 228, Total Solids, Total Dissolved Solids, Total Suspended
B25061579-002	SW-BPL	06/17/25 9:40	06/18/25	Aqueous	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 So. 27th Street, Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

Energy Laboratories, Inc. verifies the reported results for the analysis has been technically reviewed and approved for release.

If you have any questions regarding these test results, please contact your Project Manager.

Report Date: 07/15/25

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine

Work Order: B25061579 CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/15/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 06/17/25 09:24

 Lab ID:
 B25061579-001
 DateReceived:
 06/18/25

 Client Sample ID:
 SW-AWD
 Matrix:
 Aqueous

					MCL/		
Analyses	Result	Units	Qualifiers	RL	QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	2	mg/L	J	2		A2540 D	06/18/25 14:03 / pjw
Solids, Total Dissolved TDS @ 180 C	195	mg/L		20		A2540 C	06/18/25 13:33 / etv
INORGANICS							
Sulfate	10	mg/L		1		E300.0	06/18/25 19:16 / caa
Fluoride		mg/L		0.01		E300.0	06/18/25 19:16 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	06/20/25 12:14 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	06/27/25 10:55 / rs4
Phosphorus, Orthophosphate as P	0.009	mg/L		0.002		E365.1	06/18/25 17:34 / taz
Phosphorus, Total as P	0.008	mg/L		0.002		E365.1	06/30/25 12:27 / taz
METALS, DISSOLVED							
Copper	0.0007	mg/L		0.0005		E200.8	06/21/25 06:03 / aem
Molybdenum	0.0005	mg/L		0.0001		E200.8	06/21/25 06:03 / aem
Silver	ND	mg/L	L	0.00004		E200.8	06/21/25 06:03 / aem
Uranium	0.00110	-		0.00002		E200.8	06/27/25 13:27 / jks
Zinc	0.003	mg/L		0.002		E200.8	06/21/25 06:03 / aem
METALS, TOTAL RECOVERABLE							
Antimony	ND	mg/L	L	0.0001		E200.8	06/26/25 08:28 / aem
Chromium		mg/L		0.0005		E200.8	06/24/25 20:56 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	06/26/25 08:28 / aem
METALS, TOTAL							
Arsenic	0.0001	mg/L		0.0001		E200.8	06/26/25 08:28 / aem
Boron		mg/L		0.01		E200.7	06/24/25 14:55 / enb
Molybdenum	0.0006	•		0.0001		E200.8	06/24/25 20:56 / aem
Uranium	0.00095	mg/L		0.00002		E200.8	06/27/25 13:33 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha		pCi/L	U			E900.0	07/04/25 01:15 / eli-ca
Gross Alpha precision (±)		pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha MDC		pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta		pCi/L	U			E900.0	07/04/25 01:15 / eli-ca
Gross Beta precision (±)		pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta MDC		pCi/L				E900.0	07/04/25 01:15 / eli-ca
Radium 226 Radium 226 precision (±)		pCi/L pCi/L	U			E903.0 E903.0	07/14/25 12:11 / eli-ca 07/14/25 12:11 / eli-ca
Radium 226 MDC		pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 228		pCi/L	U			RA-05	07/07/25 15:56 / eli-ca
Radium 228 precision (±)		pCi/L	Ü			RA-05	07/07/25 15:56 / eli-ca
Radium 228 MDC		pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 226 + Radium 228		pCi/L	U			A7500-RA	07/15/25 10:19 / eli-ca
		-					

Report Definitions:

RL - Analyte Reporting Limit

QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the

Reporting Limit (RL)

U - Not detected

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

L -Lowest available reporting limit for the analytical method used and/or volume submitted

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client:Linkan EngineeringReport Date:07/15/25Project:Schwartzwalder MineCollection Date:06/17/25 09:24Lab ID:B25061579-001DateReceived:06/18/25Client Sample ID:SW-AWDMatrix:Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	0.7 pCi/L				A7500-RA	07/15/25 10:19 / eli-ca
Radium 226 + Radium 228 MDC	1.2 pCi/L				A7500-RA	07/15/25 10:19 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering **Report Date:** 07/15/25 Schwartzwalder Mine Project: Collection Date: 06/17/25 09:40 Lab ID: B25061579-002 DateReceived: 06/18/25 Client Sample ID: SW-BPL Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	2	mg/L	J	2		A2540 D	06/18/25 14:03 / pjw
Solids, Total Dissolved TDS @ 180 C	205	mg/L		20		A2540 C	06/18/25 13:33 / etv
INORGANICS							
Sulfate	20	mg/L		1		E300.0	06/18/25 19:33 / caa
Fluoride		mg/L		0.01		E300.0	06/18/25 19:33 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	06/20/25 12:26 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.02	mg/L		0.01		E353.2	06/27/25 10:59 / rs4
Phosphorus, Orthophosphate as P	0.006	mg/L		0.002		E365.1	06/18/25 17:40 / taz
Phosphorus, Total as P	0.005	mg/L		0.002		E365.1	06/25/25 12:13 / taz
METALS, DISSOLVED							
Copper	0.0008	mg/L		0.0005		E200.8	06/21/25 06:08 / aem
Molybdenum	0.0040	mg/L		0.0001		E200.8	06/21/25 06:08 / aem
Silver		mg/L	JL	0.00004		E200.8	06/21/25 06:08 / aem
Uranium	0.0527	mg/L		0.00002		E200.8	06/21/25 06:08 / aem
Zinc	0.002	mg/L	JL	0.002		E200.8	06/21/25 06:08 / aem
METALS, TOTAL RECOVERABLE							
Antimony	0.00002	mg/L	JL	0.0001		E200.8	06/26/25 08:34 / aem
Chromium		mg/L		0.0005		E200.8	06/24/25 21:02 / aem
Thallium	ND	mg/L	L	0.0002		E200.8	06/26/25 08:34 / aem
METALS, TOTAL							
Arsenic	0.0009	mg/L		0.0001		E200.8	06/26/25 08:34 / aem
Boron		mg/L		0.01		E200.7	06/24/25 14:56 / enb
Molybdenum	0.0042	mg/L		0.0001		E200.8	06/24/25 21:02 / aem
Uranium	0.0509	mg/L		0.00002		E200.8	06/24/25 21:02 / aem
RADIONUCLIDES - TOTAL							
Gross Alpha	30.8	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha precision (±)	7.2	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Alpha MDC	2.0	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta	9.7	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta precision (±)	1.5	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Gross Beta MDC	2.6	pCi/L				E900.0	07/04/25 01:15 / eli-ca
Radium 226		pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	07/14/25 12:11 / eli-ca
Radium 228		pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 228 precision (±)		pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 228 MDC		pCi/L				RA-05	07/07/25 15:56 / eli-ca
Radium 226 + Radium 228	3.4	pCi/L				A7500-RA	07/15/25 10:19 / eli-ca

Report RL - Analyte Reporting Limit Definitions: QCL - Quality Control Limit

J - Estimated value - analyte was present but less than the Reporting Limit (RL)

MCL - Maximum Contaminant Level

ND - Not detected at the Reporting Limit (RL)

L -Lowest available reporting limit for the analytical method used and/or volume submitted

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

 Client:
 Linkan Engineering
 Report Date:
 07/15/25

 Project:
 Schwartzwalder Mine
 Collection Date:
 06/17/25 09:40

 Lab ID:
 B25061579-002
 DateReceived:
 06/18/25

 Client Sample ID:
 SW-BPL
 Matrix:
 Aqueous

Analyses	Result Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL						
Radium 226 + Radium 228 precision (±)	1.3 pCi/L				A7500-RA	07/15/25 10:19 / eli-ca
Radium 226 + Radium 228 MDC	1.3 pCi/L				A7500-RA	07/15/25 10:19 / eli-ca

Report RL - Analyte Reporting Limit

Definitions: QCL - Quality Control Limit

MCL - Maximum Contaminant Level

Prepared by Casper, WY Branch

Work Order: B25061579 Report Date: 07/15/25

Analyte Count Result Units RL %REC Low Limit High Limit RPD RPDLimit Qua

Analyte		Count	Result	Units	RL	%REC	Low Lin	nit H	ligh Limit	RPD	RPDLimit	Qual
Method:	E900.0										Batch: G	rAB-3433
Lab ID:	Th230-GrAB-3433	3 Lal	boratory Cor	ntrol Sample			Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Al	pha		86	pCi/L		86	7	0	130			
Gross Al	pha precision (±)		19	pCi/L								
Gross Al	pha MDC		1.5	pCi/L								
Lab ID:	Sr90-GrAB-3433	3 Lal	boratory Cor	ntrol Sample			Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Be	eta		170	pCi/L		95	7	' 0	130			
Gross Be	eta precision (±)		12	pCi/L								
Gross Be	eta MDC		2.2	pCi/L								
Lab ID:	MB-GrAB-3433	6 Me	thod Blank				Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Al	pha		0.2	pCi/L								U
Gross Al	pha precision (±)		1	pCi/L								
Gross Al	pha MDC		2	pCi/L								
Gross Be			0.5	pCi/L								U
Gross Be	eta precision (±)		2	pCi/L								
Gross Be	eta MDC		3	pCi/L								
Lab ID:	C25060500-002DMS	3 Sa	mple Matrix	Spike			Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Al			220	pCi/L		94	7	' 0	130			
Gross Al	pha precision (±)		48	pCi/L								
Gross Al	pha MDC		3.5	pCi/L								
Lab ID:	C25060500-002DMSD	3 Sa	mple Matrix	Spike Duplicate			Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Al	pha		200	pCi/L		73	7	' 0	130	9.9	30	
Gross Al	pha precision (±)		44	pCi/L								
	pha MDC		2.8	pCi/L								
- The RE	R result is 0.32.											
Lab ID:	C25060500-004DMS1	3 Sa	mple Matrix	Spike			Run: TE	NNEL	_EC-4_25062	7D	07/04/	/25 01:14
Gross Be	eta		190	pCi/L		101	7	' 0	130			
Gross Be	eta precision (±)		13	pCi/L								
Gross Be	eta MDC		2.8	pCi/L								
Lab ID:	C25060500-004DMSD	1 3 Sa	mple Matrix	Spike Duplicate			Run: TE	NNEL	_EC-4_25062	.7D	07/04/	/25 01:14
Gross Be	eta		190	pCi/L		100	7	0	130	0.4	30	
Gross Be	eta precision (±)		13	pCi/L								
Gross Be	eta MDC		2.6	pCi/L								
- The RE	R result is 0.04.											

Qualifiers:

RL - Analyte Reporting Limit

U - Not detected



- The RER result is 0.53.

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25061579 Report Date:										
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA2	26-11722
Lab ID: LCS-RA226-11722	3 Labo	oratory Cor	ntrol Sample			Run: TENN	ELEC-4_25063	0G	07/14/	/25 10:03
Radium 226		9.9	pCi/L		99	70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.14	pCi/L							
Lab ID: MB-RA226-11722	3 Meth	nod Blank				Run: TENN	ELEC-4_25063	0G	07/14/	/25 10:03
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25060659-001HDUP	3 Sam	ple Duplica	ate			Run: TENN	ELEC-4_25063	0G	07/14/	/25 10:03
Radium 226		0.38	pCi/L					27	30	
Radium 226 precision (±)		0.16	pCi/L							
Radium 226 MDC		0.19	pCi/L							

Report Date: 07/15/25



Work Order: B25061579

QA/QC Summary Report

Prepared by Casper, WY Branch

Analyte Count Result Units RL %REC Low Limit High Limit RPD RPDLimit Qual

Method: **RA-05** Batch: RA228-7689 Lab ID: LCS-228-RA226-11722 3 Laboratory Control Sample Run: TENNELEC-4 250630D 07/07/25 15:06 110 70 130

Radium 228 10 pCi/L Radium 228 precision (±) 2.7 pCi/L

Radium 228 MDC pCi/L 1.1

MB-RA226-11722 Lab ID: 3 Method Blank Run: TENNELEC-4 250630D 07/07/25 15:07 U

Radium 228 0.2 pCi/L Radium 228 precision (±) 0.7 pCi/L Radium 228 MDC pCi/L

Lab ID: C25060659-001HDUP 3 Sample Duplicate Run: TENNELEC-4 250630D 07/07/25 15:07

Radium 228 -0.23 30 UR pCi/L 1100

Radium 228 precision (±) 0.79 pCi/L Radium 228 MDC 1.4 pCi/L

Qualifiers:

RL - Analyte Reporting Limit

R - Relative Percent Difference (RPD) exceeds advisory limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

⁻ Duplicate RPD is outside of the acceptance range for this analysis. However, the RER is less than or equal to the limit of 3. The RER result is 0.50.



Prepared by Billings, MT Branch

Work Order: B25061579			Report Date: 06/2						
Analyte Cou	ınt Result Unit	s RL	%REC Low Limit	High Limit	RPD	RPDLimit	Qual		
Method: A2540 C					В	atch: TDS2	0250618A		
Lab ID: MBLK_20250618-3	Method Blank		Run: Bal #3	30_250618C		06/18	/25 10:54		
Solids, Total Dissolved TDS @ 180 C	ND mg/l	20							
Lab ID: LCS_20250618-1	Laboratory Control Sa	ımple	Run: Bal #3	30_250618C		06/18	/25 10:55		
Solids, Total Dissolved TDS @ 180 C	941 mg/l	25	94 90	110					
Lab ID: B25061295-029ADUP	Sample Duplicate		Run: Bal #3	30_250618C		06/18	/25 10:55		
Solids, Total Dissolved TDS @ 180 C	158 mg/L	_ 25			0.5	10			

RL - Analyte Reporting Limit

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579 Report Date: 06/27/25

Analyte Con	unt Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D							В	atch: TSS20)250618B
Lab ID: MBLK_20250618-9	Method Blank				Run: BAL #	30_250618B		06/18/	25 14:02
Solids, Total Suspended TSS @ 105 (C ND	mg/L	0.6						
Lab ID: LCS_20250618-3	Laboratory Co	ntrol Sample			Run: BAL #	30_250618B		06/18/	25 14:02
Solids, Total Suspended TSS @ 105 @	C 105	mg/L	25	105	80	120			
Lab ID: B25061584-002BDUP	Sample Duplic	ate			Run: BAL #	30_250618B		06/18/	25 14:03
Solids, Total Suspended TSS @ 105 @	11.6	mg/L	10				9.8	10	



Prepared by Billings, MT Branch

				•				_		00/07/05	
Work C	Order: B25061579							Repo	rt Date	: 06/27/25	
Analyte		Coun	t Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E300.0							Analytical F	Run: IC N	METROHM 2	_250616 <i>A</i>
Lab ID:	ICV	2	Initial Calibration	on Verification	Standard					06/16	/25 12:35
Sulfate			104	mg/L	1.0	104	90	110			
Fluoride			1.32	mg/L	0.10	105	90	110			
Lab ID:	ccv	2	Continuing Cal	ibration Verifi	cation Standa	rd				06/18	/25 16:44
Sulfate			106	mg/L	1.0	106	90	110			
Fluoride			1.31	mg/L	0.10	105	90	110			
Method:	E300.0									Batch:	: R444239
Lab ID:	ICB	2	Method Blank				Run: IC ME	TROHM 2_250	616A	06/16	/25 12:52
Sulfate			ND	mg/L	0.7						
Fluoride			ND	mg/L	0.009						
Lab ID:	LFB	2	Laboratory For	tified Blank			Run: IC ME	TROHM 2_250	616A	06/16	/25 13:09
Sulfate			104	mg/L	1.1	104	90	110			
Fluoride			1.35	mg/L	0.10	108	90	110			
Lab ID:	B25061529-003AMS	2	Sample Matrix	Spike			Run: IC ME	TROHM 2_250	616A	06/18	/25 17:18
Sulfate			937	mg/L	5.3	104	90	110			
Fluoride			5.71	mg/L	0.10	91	90	110			
Lab ID:	B25061529-003AMSE	2	Sample Matrix	Spike Duplica	ate		Run: IC ME	TROHM 2_250	616A	06/18	/25 17:34
Sulfate			929	mg/L	5.3	102	90	110	0.8	20	
Fluoride			5.69	mg/L	0.10	91	90	110	0.4	20	
Lab ID:	B25061580-003AMS	2	Sample Matrix	Spike			Run: IC ME	TROHM 2_250	616A	06/18	/25 21:14
Sulfate			575	mg/L	5.3	106	90	110			
Fluoride			6.45	mg/L	0.10	101	90	110			
Lab ID:	B25061580-003AMSE	2	Sample Matrix	Spike Duplica	ate		Run: IC ME	TROHM 2_250	616A	06/18	/25 21:31

5.3

0.10

106

101

90

90

110

110

0.1

0.7

20

20

575

6.40

mg/L

mg/L

Qualifiers:

Sulfate

Fluoride

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25061579			Repo	rt Date:	06/27/25					
Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: Kelada-01							Analyti	ical Run	: SFA-202-B	_250620A
Lab ID: ICV	Initi	al Calibratio	on Verificat	ion Standard					06/20	/25 11:54
Cyanide, Weak Acid Dissociab	ole	0.00966	mg/L	0.0010	97	90	110			
Method: Kelada-01									Batch:	R444536
Lab ID: ICB	Met	hod Blank				Run: SFA-2	202-B_250620A		06/20	/25 11:56
Cyanide, Weak Acid Dissocial	ole	ND	mg/L	0.0007						
Lab ID: LCS1-ZnCN	Lab	oratory Cor	ntrol Sampl	e		Run: SFA-2	202-B_250620A		06/20	/25 12:00
Cyanide, Weak Acid Dissociab	ole	0.0107	mg/L	0.0010	107	90	110			
Lab ID: B25061579-001GN	IS San	nple Matrix	Spike			Run: SFA-2	202-B_250620A		06/20	/25 12:18
Cyanide, Weak Acid Dissocial	ole	0.0104	mg/L	0.0010	104	80	120			
Lab ID: B25061579-001GN	ISD San	nple Matrix	Spike Dup	licate		Run: SFA-2	202-B_250620A		06/20	/25 12:22
Cyanide, Weak Acid Dissocial	ole	0.0109	mg/L	0.0010	109	80	120	4.2	10	
Lab ID: LFB	Lab	oratory For	tified Blank			Run: SFA-2	202-B_250620A		06/20	/25 12:44
Cyanide, Weak Acid Dissociab	ole	0.0110	mg/L	0.0010	110	90	110			

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579 **Report Date:** 07/01/25

Analyte		Count Res	ult	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E353.2							Ana	llytical Ru	n: FIA203-B_	_250627A
Lab ID:	ICV	Initial Cali	bratio	n Verification Sta	ındard					06/27/	25 10:50
Nitrogen,	Nitrate+Nitrite as N	0.5	550	mg/L	0.010	97	90	110			
Method:	E353.2									Batch:	R444974
Lab ID:	FilterMBLK	Method B	lank				Run: FIA20	3-B_250627A		06/27/	25 10:51
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	MBLK_20250627-3	Method B	lank				Run: FIA20	3-B_250627A		06/27/	25 10:52
Nitrogen,	Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID:	FilterLFB	Laborator	y Forti	fied Blank			Run: FIA20	3-B_250627A		06/27/	25 10:53
Nitrogen,	Nitrate+Nitrite as N	0.9	969	mg/L	0.010	97	90	110			
Lab ID:	LFB_20250627-1	Laborator	y Forti	fied Blank			Run: FIA20	3-B_250627A		06/27/	25 10:54
Nitrogen,	Nitrate+Nitrite as N	0.9	999	mg/L	0.010	100	90	110			
Lab ID:	B25061579-001FMS	Sample M	latrix S	Spike			Run: FIA20	3-B_250627A		06/27/	25 10:56
Nitrogen,	Nitrate+Nitrite as N	0.9	972	mg/L	0.010	97	90	110			
Lab ID:	B25061579-001FMSE	Sample M	latrix S	Spike Duplicate			Run: FIA20	3-B_250627A		06/27/	25 10:57
Nitrogen,	Nitrate+Nitrite as N	1	.02	mg/L	0.010	102	90	110	4.9	10	

RL - Analyte Reporting Limit

Report Date: 07/01/25



Work Order: B25061579

QA/QC Summary Report

Prepared by Billings, MT Branch

TTOIR C	71dC1. D20001079							itepoi	L Date.	. 07/01/23	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E365.1							Analy	ytical Ru	ın: FIA204-B	_250618B
Lab ID:	ICV	Init	ial Calibration	on Verification	Standard					06/18	/25 17:27
Phosphor	rus, Orthophosphate as	Р	0.246	mg/L	0.0050	98	90	110			
Lab ID:	CCV	Co	ntinuing Cal	libration Verific	cation Standar	d				06/18	/25 17:48
Phosphor	rus, Orthophosphate as	Р	0.488	mg/L	0.0050	98	90	110			
Method:	E365.1									Batch	: R444396
Lab ID:	ICB	Me	thod Blank				Run: FIA20	4-B_250618B		06/18	/25 17:30
Phosphor	rus, Orthophosphate as	Р	ND	mg/L	0.001						
Lab ID:	LFB	Lat	ooratory For	tified Blank			Run: FIA20	4-B_250618B		06/18	/25 17:31
Phosphor	rus, Orthophosphate as	Р	0.252	mg/L	0.0050	101	90	110			
Lab ID:	B25061579-002AMS	Sai	mple Matrix	Spike			Run: FIA20	4-B_250618B		06/18	/25 17:36
Phosphor	rus, Orthophosphate as	Р	0.241	mg/L	0.0020	94	90	110			
Lab ID:	B25061579-002AMSE) Sai	mple Matrix	Spike Duplica	ate		Run: FIA20	4-B_250618B		06/18	/25 17:37
Phosphor	rus, Orthophosphate as	Р	0.249	mg/L	0.0020	97	90	110	3.3	10	
Method:	E365.1							Analytic	cal Run:	SEAL201-B	_250625A
Lab ID:	ICV-198785	Init	ial Calibration	on Verification	Standard					06/25	/25 10:04
Phosphor	rus, Total as P		0.504	mg/L	0.0050	101	90	110			
Lab ID:	CCV-198785	Co	ntinuing Cal	ibration Verific	cation Standar	d				06/25	/25 12:03
Phosphor	rus, Total as P		0.536	mg/L	0.0050	107	90	110			
Method:	E365.1									Bato	h: 200836
Lab ID:	MB-200836	Me	thod Blank				Run: SEAL	201-B_250625A		06/25	/25 11:49
Phosphor	rus, Total as P		ND	mg/L	0.002						
Lab ID:	LCS-200836	Lab	ooratory Co	ntrol Sample			Run: SEAL	201-B_250625A		06/25	/25 11:50
Phosphor	rus, Total as P		0.188	mg/L	0.0050	94	90	110			
Lab ID:	B25061568-002CMS	Sai	mple Matrix	Spike			Run: SEAL	201-B_250625A		06/25	/25 12:10
Phosphor	rus, Total as P		0.208	mg/L	0.0020	99	90	110			
Lab ID:	B25061568-002CMSE) Sai	mple Matrix	Spike Duplica	ate		Run: SEAL	201-B_250625A		06/25	/25 12:11
Phosphor	rus, Total as P		0.212	mg/L	0.0020	101	90	110	1.9	10	

Qualifiers:

RL - Analyte Reporting Limit

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579 Report Date: 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E365.1							Analyti	cal Run:	SEAL201-B_	_250630A
Lab ID:	ICV-198785	Init	ial Calibratio	on Verification S	Standard					06/30/	25 10:34
Phosphor	us, Total as P		0.506	mg/L	0.0050	101	90	110			
Lab ID:	CCV-198785	Cor	ntinuing Cal	ibration Verifica	ition Standa	rd				06/30/	/25 12:22
Phosphor	us, Total as P		0.511	mg/L	0.0050	102	90	110			
Method:	E365.1									Batcl	h: 200963
Lab ID:	MB-200963	Me	thod Blank				Run: SEAL	201-B_250630A		06/30/	25 12:25
Phosphor	us, Total as P		ND	mg/L	0.002						
Lab ID:	LCS-200963	Lab	ooratory Cor	ntrol Sample			Run: SEAL	201-B_250630A		06/30/	/25 12:26
Phosphor	us, Total as P		0.187	mg/L	0.0020	94	90	110			
Lab ID:	B25062151-009DMS	Saı	mple Matrix	Spike			Run: SEAL	201-B_250630A		06/30/	/25 12:31
Phosphor	us, Total as P		0.190	mg/L	0.0020	95	90	110			
Lab ID:	B25062151-009DMSE) Sai	mple Matrix	Spike Duplicate	Э		Run: SEAL	201-B_250630A		06/30/	/25 12:32
Phosphor	us, Total as P		0.190	mg/L	0.0020	95	90	110	0.1	10	



Prepared by Billings, MT Branch

Work C	Order: B25061579							Repo	rt Date:	07/01/25	
Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.7							Anal	ytical Ru	n: ICP205-B	_250624A
Lab ID:	ICV	Co	ntinuing Cal	ibration Ve	rification Standar	rd				06/24	/25 12:05
Boron			2.59	mg/L	0.10	104	95	105			
Lab ID:	ccv	Co	ntinuing Cal	ibration Ve	rification Standar	rd				06/24	/25 14:49
Boron			2.62	mg/L	0.10	105	90	110			
Method:	E200.7									Batc	h: 200821
Lab ID:	MB-200821	Me	thod Blank				Run: ICP20	5-B_250624A		06/24	/25 14:41
Boron			ND	mg/L	0.008						
Lab ID:	LCS3-200821	Lat	ooratory Cor	ntrol Sampl	le		Run: ICP20	5-B_250624A		06/24	/25 14:43
Boron			1.12	mg/L	0.10	112	85	115			
Lab ID:	B25061344-010BMS3	Sai	mple Matrix	Spike			Run: ICP20	5-B_250624A		06/24	/25 14:47
Boron			1.22	mg/L	0.10	113	70	130			
Lab ID:	B25061344-010BMSE)3 Sai	mple Matrix	Spike Dup	licate		Run: ICP20	5-B_250624A		06/24	/25 14:51
Boron			1.19	mg/L	0.10	110	70	130	3.2	20	

RL - Analyte Reporting Limit

Prepared by Billings, MT Branch

Work Order: B25061579 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS207-B	_250620A
Lab ID:	QCS	5 Ini	tial Calibration	on Verificat	tion Standard					06/21	/25 03:31
Copper			0.0390	mg/L	0.010	98	90	110			
Molybden	um		0.0416	mg/L	0.0050	104	90	110			
Silver			0.0202	mg/L	0.0050	101	90	110			
Uranium			0.0416	mg/L	0.00030	104	90	110			
Zinc			0.0398	mg/L	0.0050	100	90	110			
Lab ID:	CCV	5 Co	ontinuing Cal	ibration Ve	erification Standa	rd				06/21	/25 04:53
Copper			0.0482	mg/L	0.010	96	90	110			
Molybden	um		0.0513	mg/L	0.0050	103	90	110			
Silver			0.0194	mg/L	0.0050	97	90	110			
Uranium			0.0521	mg/L	0.00030	104	90	110			
Zinc			0.0494	mg/L	0.0050	99	90	110			
Method:	E200.8									Batch:	R444547
Lab ID:	LFB	5 La	boratory For	tified Blank	<		Run: ICPM	S207-B_250620A		06/20	/25 12:42
Copper			0.0467	mg/L	0.010	93	85	115			
Molybden	um		0.0522	mg/L	0.0050	104	85	115			
Silver			0.0190	mg/L	0.0050	95	85	115			
Uranium			0.0508	mg/L	0.00030	102	85	115			
Zinc			0.0480	mg/L	0.0050	96	85	115			
Lab ID:	LRB	5 Me	ethod Blank				Run: ICPM	S207-B_250620A		06/20	/25 19:32
Copper			ND	mg/L	0.00005						
Molybden	ıım		ND	mg/L	0.00002						
Silver	um		ND	mg/L	3E-6						
Uranium			ND	mg/L	7E-6						
Zinc			ND	mg/L	0.001						
Lab ID:	B25061549-001GMS	5 Sa	ample Matrix	Snike			Run: ICPM	S207-B_250620A		06/21	/25 04:29
Copper	22000101000101110	0 00	0.0688	mg/L	0.0050	90	70	130		00/21/	20 04.20
Molybden	ıım		0.0506	mg/L	0.0010	100	70	130			
Silver	uiii		0.0188	mg/L	0.0010	94	70	130			
Uranium			0.0525	mg/L	0.00030	103	70	130			
Zinc			0.0325	mg/L	0.010	79	70	130			
Lab ID:	B25061549-001GMSD) 5 Sa	ample Matrix	Snike Dun	dicato		Run: ICPM	S207-B_250620A		06/21	/25 04:35
Copper	BECOOTO 45 COTOMOD	0 00	0.0675	mg/L	0.0050	87	70	130	2.0	20	20 04.00
Molybden	um		0.0487	mg/L	0.0030	96	70	130	3.8	20	
Silver	uiii		0.0487	_	0.0010	92	70	130	1.7		
Uranium				mg/L						20	
Zinc			0.0519 0.0486	mg/L mg/L	0.00030 0.010	102 77	70 70	130 130	1.2 2.0	20 20	
Lab ID:	MB-200787	5 N4.		J							/25 05:4 <i>6</i>
	WID-200101	2 1/16	ethod Blank 0.0005	ma/l	0.00005		Ruii. ICPIVI	S207-B_250620A		06/21/	/25 05:16
Copper	um		0.0005 ND	mg/L							
Molybden	uiii			mg/L	0.00002						
Silver			ND	mg/L	3E-6						
Uranium			ND	mg/L	7E-6						

Qualifiers:

RL - Analyte Reporting Limit

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 Gillette, WY 307.686.7175 • Helena, MT 406.442.0711

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25061579 **Report Date:** 07/01/25

Analyte		Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8									Batch:	R444547
Lab ID:	MB-200787	5 Me	thod Blank				Run: ICPMS	S207-B_250620A		06/21/	/25 05:16
Zinc			ND	mg/L	0.001						
Lab ID:	B25061702-001CMS	5 Sar	mple Matrix	Spike			Run: ICPM	S207-B_250620A		06/21/	/25 05:45
Copper			0.0479	mg/L	0.0050	92	70	130			
Molybden	um		0.0507	mg/L	0.0010	101	70	130			
Silver			0.0160	mg/L	0.0010	80	70	130			
Uranium			0.0451	mg/L	0.00030	90	70	130			
Zinc			0.0473	mg/L	0.010	95	70	130			
Lab ID:	B25061702-001CMSD	5 Sar	mple Matrix	Spike Du	ıplicate		Run: ICPMS	S207-B_250620A		06/21/	/25 05:51
Copper			0.0472	mg/L	0.0050	91	70	130	1.5	20	
Molybden	um		0.0511	mg/L	0.0010	102	70	130	0.8	20	
Silver			0.0159	mg/L	0.0010	80	70	130	0.7	20	
Uranium			0.0445	mg/L	0.00030	89	70	130	1.3	20	
Zinc			0.0469	mg/L	0.010	94	70	130	1.0	20	
Lab ID:	B25061655-004BMS	5 Sar	mple Matrix	Spike			Run: ICPMS	S207-B_250620A		06/21/	25 07:48
Copper			0.0464	mg/L	0.0050	89	70	130			
Molybden	um		0.0512	mg/L	0.0010	100	70	130			
Silver			0.0180	mg/L	0.0010	90	70	130			
Uranium			0.313	mg/L	0.00030		70	130			Α
Zinc			0.0515	mg/L	0.010	89	70	130			
Lab ID:	B25061655-004BMSD	5 Sar	mple Matrix	Spike Du	plicate		Run: ICPMS	S207-B_250620A		06/21/	25 07:53
Copper			0.0468	mg/L	0.0050	90	70	130	0.8	20	
Molybden	um		0.0513	mg/L	0.0010	101	70	130	0.1	20	
Silver			0.0185	mg/L	0.0010	92	70	130	2.5	20	
Uranium			0.323	mg/L	0.00030		70	130	3.1	20	Α
Zinc			0.0519	mg/L	0.010	90	70	130	0.7	20	

Qualifiers:

RL - Analyte Reporting Limit

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

Prepared by Billings, MT Branch

Work Order: B25061579 Report Date: 07/01/25 RL %REC Low Limit High Limit Analyte Count Result Units **RPD RPDLimit** Qual F200.8 Method: Analytical Run: ICPMS207-B_250623A QCS Lab ID: 3 Initial Calibration Verification Standard 06/24/25 19:29 Chromium 0.0395 0.010 99 90 mg/L 110 Molybdenum 0.0416 mg/L 0.0050 104 90 110 Uranium 0.0415 mg/L 0.00030 104 90 110 Lab ID: CCV 3 Continuing Calibration Verification Standard 06/24/25 19:35 Chromium 0.0478 mg/L 0.010 96 90 110 Molybdenum 0.0509 mg/L 0.0050 102 90 110 Uranium 0.0517 mg/L 0.00030 103 90 110 Method: E200.8 Batch: 200821 Lab ID: MB-200821 6 Method Blank Run: ICPMS207-B 250623A 06/24/25 12:41 ND Antimony mg/L 0.00008 Arsenic ND mg/L 0.0002 Chromium ND 0.0005 mg/L Molvbdenum ND mg/L 0.00009 Thallium ND mg/L 0.0002 Uranium ND mg/L 0.00002 Lab ID: LCS4-200821 6 Laboratory Control Sample Run: ICPMS207-B_250623A 06/24/25 12:47 Antimony 0.0964 mg/L 0.0050 96 85 115 Arsenic 0.0962 mg/L 0.0010 96 85 115 0.0952 85 Chromium mg/L 0.0010 95 115 0.0966 97 85 Molybdenum mg/L 0.0050 115 Thallium 0.108 0.0010 108 85 115 mg/L Uranium 0.105 mg/L 0.00030 105 85 115 6 Sample Matrix Spike Lab ID: B25061568-002BMS4 Run: ICPMS207-B 250623A 06/24/25 13:51 0.0992 0.0010 99 70 Antimony mg/L 130 Arsenic 0.0988 mg/L 0.0010 98 70 130 0.0966 70 Chromium mg/L 0.0050 97 130 Molybdenum 0.103 0.0010 97 70 130 mg/L Thallium 0.113 mg/L 0.00050 113 70 130 Uranium 0.00030 70 0.108 mg/L 107 130 Lab ID: B25061568-002BMSD4 6 Sample Matrix Spike Duplicate Run: ICPMS207-B_250623A 06/24/25 13:57 Antimony 0.0943 mg/L 0.0010 94 70 130 5.1 20 Arsenic 0.0966 mg/L 0.0010 95 70 130 2.3 20 130 Chromium 0.0947 mg/L 0.0050 95 70 2.0 20 Molybdenum 0.0984 mg/L 0.0010 92 70 130 4.9 20 70 20 Thallium 0.00050 0.9 0.112 mg/L 112 130 Uranium 0.105 0.00030 70 20 mg/L 105 130 2.3 Lab ID: MB-200821 6 Method Blank Run: ICPMS207-B_250623A 06/24/25 20:33 Antimony 0.0001 mg/L 0.00008 ND mg/L 0.0002 Arsenic Chromium 0.0005 ND mg/L ND Molybdenum mg/L 0.00009

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work Order: B25061579 **Report Date: 07/01/25 RL %REC Low Limit High Limit** Analyte Count Result Units **RPD RPDLimit** Qual F200.8 Method: Batch: 200821 Lab ID: MB-200821 6 Method Blank Run: ICPMS207-B 250623A 06/24/25 20:33 Thallium ND 0.0002 mg/L Uranium 0.00003 mg/L 0.00002 Lab ID: B25061580-004BMS4 6 Sample Matrix Spike Run: ICPMS207-B_250623A 06/24/25 22:18 Antimony 0.191 0.0010 94 70 130 Arsenic 0.201 mg/L 0.0050 100 70 130 Chromium 0.199 mg/L 0.0050 99 70 130 Molybdenum 0.195 0.0010 97 70 mg/L 130 Thallium 0.193 0.0025 97 70 mg/L 130 Uranium 0.230 0.00030 70 mg/L 111 130 B25061580-004BMSD4 6 Sample Matrix Spike Duplicate Lab ID: Run: ICPMS207-B 250623A 06/24/25 22:24 0.189 mg/L 0.0010 70 20 Antimony 93 130 1 4 Arsenic 0.202 mg/L 0.0050 100 70 130 0.6 20 0.202 70 20 Chromium mg/L 0.0050 101 130 1.5 Molybdenum 0.192 0.0010 70 130 1.6 20 mg/L 95 Thallium 0.196 mg/L 0.0025 98 70 130 20 1.1 Uranium 0.232 mg/L 0.00030 112 70 130 0.9 20 Analytical Run: ICPMS207-B_250627A E200.8 Method: Lab ID: QCS Initial Calibration Verification Standard 06/27/25 10:55 Uranium 0.0422 mg/L 0.00030 105 90 110 Lab ID: CCV Continuing Calibration Verification Standard 06/27/25 12:23 0.0525 0.00030 105 90 Uranium mg/L 110 E200.8 Batch: 200821 Method: Lab ID: MB-200821 Method Blank Run: ICPMS207-B 250627A 06/27/25 13:04 Uranium 0.00003 mg/L 0.00002 Method: E200.8 Batch: R444978 Lab ID: **LRB** Method Blank Run: ICPMS207-B 250627A 06/27/25 11:19 ND Uranium mg/L 7E-6 Lab ID: **LFB** Laboratory Fortified Blank Run: ICPMS207-B 250627A 06/27/25 11:36 105 Uranium 0.0523 mg/L 0.00030 85 115 Lab ID: B25061407-001CMS Sample Matrix Spike Run: ICPMS207-B_250627A 06/27/25 13:56 0.0530 0.00030 104 70 Uranium mg/L 130 Lab ID: B25061407-001CMSD Sample Matrix Spike Duplicate Run: ICPMS207-B 250627A 06/27/25 14:02 Uranium 0.0563 mg/L 0.00030 111 70 130 6.0 20

Qualifiers:

RL - Analyte Reporting Limit



Prepared by Billings, MT Branch

Work O	rder: B25061579							Report	Date:	07/01/25	
Analyte		Cour	t Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method:	E200.8							Analytical	Run: I	CPMS209-B	_250625B
Lab ID:	QCS	3	Initial Calibration	n Verificati	on Standard					06/26	/25 02:57
Antimony			0.0394	mg/L	0.0050	98	90	110			
Arsenic			0.0388	mg/L	0.0050	97	90	110			
Thallium			0.0393	mg/L	0.0050	98	90	110			
Lab ID:	ccv	3	Continuing Cali	bration Ver	rification Standar	rd				06/26	/25 08:01
Antimony			0.0483	mg/L	0.0050	97	90	110			
Arsenic			0.0463	mg/L	0.0050	93	90	110			
Thallium			0.0466	mg/L	0.0050	93	90	110			
Method:	E200.8									Batc	h: 200821
Lab ID:	MB-200821	3	Method Blank				Run: ICPMS	S209-B_250625B		06/26	/25 07:56
Antimony			ND	mg/L	0.00002						
Arsenic			ND	mg/L	0.00003						
Thallium			ND	mg/L	0.00008						

RL - Analyte Reporting Limit

Work Order Receipt Checklist

Linkan Engineering

Login completed by: Crystal M. Jones

B25061579

Date Received: 6/18/2025

Reviewed by:	gmccartney		R	eceived by: LDS	
Reviewed Date:	6/26/2025		Ca	arrier name: Return-Fe	dEx NDA
Shipping container/cooler in	good condition?	Yes 🗸	No 🗌	Not Present	
Custody seals intact on all sh	nipping container(s)/cooler(s)?	Yes √	No 🗌	Not Present	
Custody seals intact on all sa	ample bottles?	Yes	No 🗌	Not Present 🗸	
Chain of custody present?		Yes √	No 🗌		
Chain of custody signed whe	en relinquished and received?	Yes ✓	No 🗌		
Chain of custody agrees with	sample labels?	Yes 🗸	No 🗌		
Samples in proper container/	/bottle?	Yes √	No 🗌		
Sample containers intact?		Yes √	No 🗌		
Sufficient sample volume for	indicated test?	Yes ✓	No 🗌		
All samples received within h (Exclude analyses that are or such as pH, DO, Res Cl, Su	onsidered field parameters	Yes 🔽	No 🗌		
Temp Blank received in all sl	hipping container(s)/cooler(s)?	Yes 🗸	No 🗌	Not Applicable	
Container/Temp Blank tempe	erature:	4.1°C On Ice			
Containers requiring zero heabubble that is <6mm (1/4").	adspace have no headspace or	Yes	No 🗌	No VOA vials submitted	\square
Water - pH acceptable upon	receipt?	Yes 🗸	No 🗌	Not Applicable	

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

The reference date for Radon analysis is the sample collection date. The reference date for all other Radiochemical analyses is the analysis date. Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

For methods that require zero headspace or require preservation check at the time of analysis due to potential interference, the pH is verified at analysis. Nonconforming sample pH is documented as part of the analysis and included in the sample analysis comments.

Trip Blanks and/or Blind Duplicate samples are assigned the earliest collection time for the associated requested analysis in order to evaluate the holding time unless specifically indicated.

Contact and Corrective Action Comments:

None

Laboratory Certifications and Accreditations

Current certificates are available at www.energylab.com website:

	Agency	Number
	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
Billings, MT	Florida (Primary NELAP)	E87668
	Idaho	MT00005
d	Louisiana	05079
ANAB	Montana	CERT0044
ANSI National Accreditation Board A C C R E D I T E D	Nebraska	NE-OS-13-04
TESTING LABORATORY	Nevada	NV-C24-00250
ACCRE	North Dakota	R-007
ALCON TO THE	National Radon Proficiency	109383-RMP
TNI	Oregon	4184
BORATON	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
Casper, WY	Louisiana	05083
cusper, vv r	Montana	CERT0002
SUAP ACCREDIA	Nebraska	NE-OS-08-04
TNI	Nevada	NV-C24-00245
	North Dakota	R-125
	Oregon	WY200001
	South Dakota	WY00002
	Texas	T104704181-23-21
	US EPA Region VIII	WY00002
	USNRC License	49-26846-01
	Washington	C1012
Gillette, WY	US EPA Region VIII	WY00006
	Colorado	MT00945
Helena, MT	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

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BOTTLE ORDER 193746

SHIPPED

Linkan Engineering

To report an issue with this order, view Safety Data Sheets, or let us know how we are doing, scan here or go to energylab.com/contact-us

Shipped From: Billings, MT Ship Date: 4/17/2025

Order Created by: Yvonna E. Smith

VIA: Ground Quote Used: 17287

Num	of	Samp
		Notes
		Preservative
Critical	Hold	Time
		Tests
		Method
Bottles	Per	Samp
		Bottle Size/Type

Schwartzwalder Mine - Table 1.1

Project: Phone:

400 Corporate Circle, Suite H

Contact: Chris Prosper

Golden CO 80401 (719) 247-0564

					The second secon		
Table 1.1 (4 Sets)							
120 mL Plastic	-	1 E365.1	Low Level Phosphorus, Orthophosphate 48.00 hrs as P	48.00 hrs		Filter Sample	~
1 Liter Plastic	1	E300.0	Anions by Ion Chromatography				-
		A2540 C	Solids, Total Dissolved			0	
1 Liter Plastic Wide Mouth	-	1 A2540 D	Solids, Total Suspended			Fill to the neck of the container.	-
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HN03	Filter before preservation	-
250 mL Plastic	-	E200.7_8	Metals by ICP/ICPMS, Total		HNO3		-
		E200.2	Metals Digestion by E200.2				
250 mL Plastic	1-	E353.2	Nitrogen, Nitrate + Nitrite		H2SO4		-
		E365.1	E365.1 Digestion, Total P				
		E365.1	Low level Phosphorus, Total				
500 mL Amber Plastic	1	Kelada-01	Cyanide, Weak Acid Dissociable		NaOH		-
500 mL Plastic	1	1 E900.0	Gross Alpha, Gross Beta, Total		HNO3		-

I Gallon Plastic	-	A7500-RA	1 A7500-RA Radium 226 + Radium 228	HNO3	This now only requires one (1) 15mL	-
		E903.0	Radium 226, Total		nitric acid vial for preservation.	
		RA-05	Radium 228, Total			

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid		H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	We strongly suggest that the samples are
ZnAc - Zinc Acetate HCI - Hydrochloric		HCI - Hydrochloric	H3PO4 - Phosphoric Acid	shipped the same day as they are collected.
		Acid		
Material Safety Data Shi	eets((MSDS) Available @ Ene	Material Safety Data Sheets(MSDS) Available @ EnergyLab.com ->Services -> MSDS Sheets	
Corrosive Chemicals: Nitric, S.	ulfuric	., Phosphoric, Hydrochloric Acie	Corrosive Chemicals: Nitric, Sulfuric, Phosphoric, Hydrochloric Acids and Sodium Hydroxide. Zinc Acetate is a skin irritant.	

Subcontracting of sample analyses to an outside laboratory may be required. If so, Energy Laboratories will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.



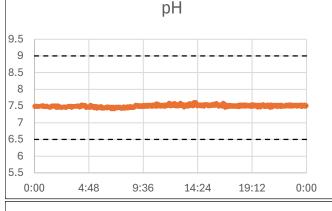
ATTACHMENT 2DAILY REPORTS

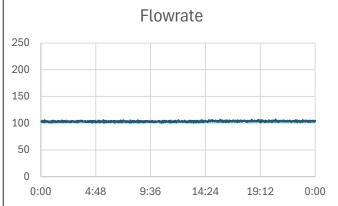


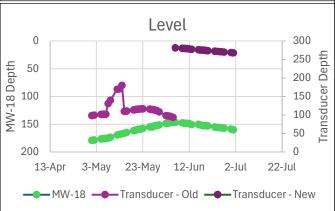
			Lead Operator:	Bryant A		
Report Date:		7/1/2025	Assistant Operator(s):			
			7 toolotant Operator(o).			
Effluent Di	scharged:	0.142 Mgal	MW-18 Level:	159.6 ft		
Average I	Flowrate:	103.4 gpm	Transducer Level:	267.9 ft		
Effluent	to Date:	3.721 Mgal	Hallsuucel Level.	207.5 10		
	рН		Flowrate			

Parameters

Values







Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	3 Gal	6 Gal	2 Gal	
Vol. Remaining	405 Gal	238 Gal	37 Gal	
Vol. Staged	0 Gal	140 Gal	200 Gal	
Days Available	135 Days	64 Days	119 Days	

Finished Water Quality

Temp

20°C

рН

8.18

Cond

149 µS/cm

Safety Issues/Concerns:

- N/A

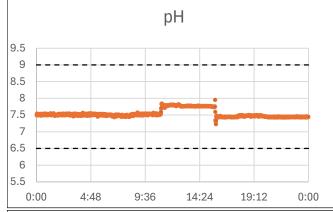
Notes:

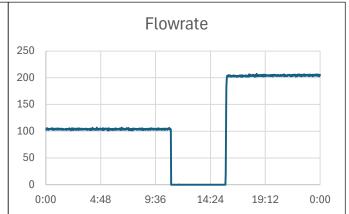
- Collected Outfall 001A TSS and COD Weekly Samples.
- Raised Plant Feed Pump from 44.6Hz to 44.8Hz.
- Prepped Plant for shutdown and inspection of RO#2, Vessel#6 and cartridge filter changeout

Note: There is an increase in the total value listed in the "Effluent to date" box of this report. This is because all of the values presented in previous reports were not reported to sufficient decimal places leading to a difference of 0.31 Mgal that was being under reported. The value shown above is the correct total representing the total volume of effluent discharged to date.



	7/2/2025		Lead Operator:	Adam B
Report Date:			Assistant Operator(s):	Patrick D.
			Assistant Operator(s).	Bryant A
Effluent D	ischarged:	0.312 Mgal	MW-18 Level:	160.1 ft
Average Flowrate:		147.8 gpm		
Effluent	to Date:	4.033 Mgal	Transducer Level:	267.2 ft





Finished Water Quality

рН

7.2

Cond

149 µS/cm

Temp

21°C

Parameters

Values

				Le	vel			
	0						300	_
th	50						- 250	eptl
de	00						- 200	r De
8.	100						150	ıcel
MW-18 Depth	150		-4	6	-		- 100	Transducer Depth
							- 50	Tra
	200	A	0.14	00 M	10 1	0 11	0	
	13-	Apr	3-May	23-May	12-Jun	2-Jul	22-Jul	
	──MW-18 ──Transducer - Old ──Transducer - New							

Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	1 Gal	15 Gal	2 Gal	
Vol. Remaining	402 Gal	232 Gal	35 Gal	
Vol. Staged	0 Gal	140 Gal	200 Gal	
Days Available	402 Days	24 Days	118 Days	

Safety Issues/Concerns:

- N/A

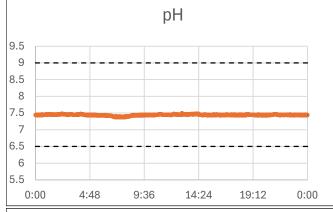
- Peter Hays onsite for Operations meeting.
- Plant Shut-down at 11:05.
- RO#2, Vessel #6. Inspected. Shim rings have been replaced with better fitting ones.
- Plant Start-up at 15:45. Both RO's running.

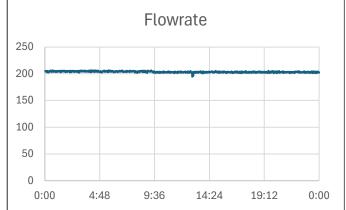


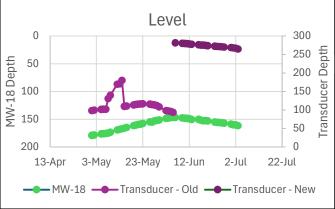
Patrick D
Bryant A
161.3 ft
101.010
265.0 ft
_

Parameters

Values







Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	2 Gal	14 Gal	2 Gal	
Vol. Remaining	381 Gal	171 Gal	50 Gal	
Vol. Staged	0 Gal	140 Gal	150 Gal	
Days Available	191 Days	22 Days	100 Days	

Finished Water Quality

Temp

21°C

рН

8.04

Cond

187 μS/cm

Safety Issues/Concerns:

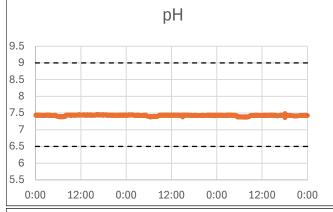
- N/A

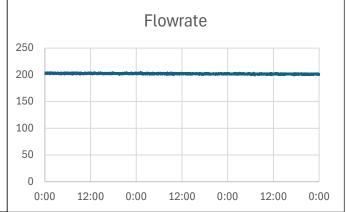
Notes:

- Item B29 Completed. Repaired PVC Leak on IX Vessel #3.



	7/4/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
			Assistant Operator(s).	
Fffluent D	ischarged:	0.842 Mgal	MW-18 Level:	162.1 ft
Average Flowrate: Effluent to Date:		201.9 gpm		
		5.156 Mgal	Transducer Level:	262.6 ft





Finished Water Quality

рΗ

7.63

Cond

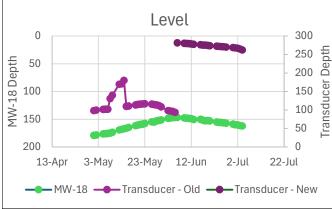
186 μS/cm

Temp

21°C

Parameters

Values



Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	27 Gal	85 Gal	12 Gal	
Vol. Remaining	377 Gal	150 Gal	50 Gal	
Vol. Staged	0 Gal	140 Gal	150 Gal	
Days Available	14 Days	3 Days	17 Days	

Safety Issues/Concerns:

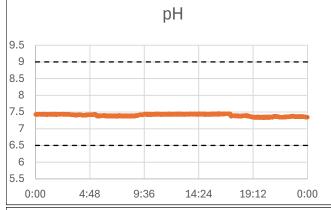
- N/A

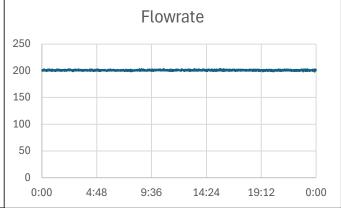
Notes:

- Collected Outfall 001A TSS Weekly Sample.



	7/7/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	ischarged:	0.279 Mgal	MW-18 Level:	170.3 ft
Average Flowrate: Effluent to Date:		200.9 gpm		
		5.435 Mgal	Transducer Level:	255.7 ft





Finished Water Quality

Temp

21°C

Parameters

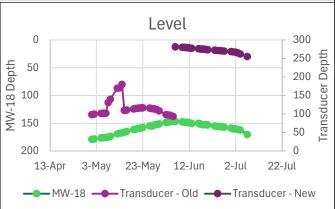
Values

рН

7.44

Cond

186 µS/cm



Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	5 Gal	15 Gal	6 Gal	
Vol. Remaining	350 Gal	65 Gal	38 Gal	
Vol. Staged	0 Gal	140 Gal	150 Gal	
Days Available	70 Days	14 Days	31 Days	

Safety Issues/Concerns:

- N/A

Notes:

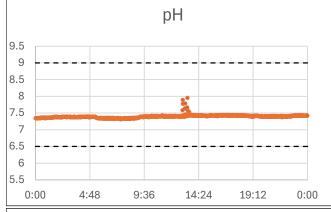
- Collected Outfall 001A TSS Weekly Sample.

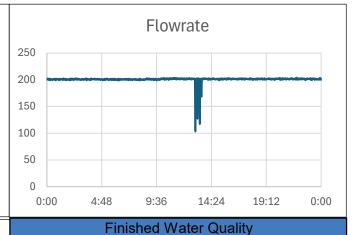


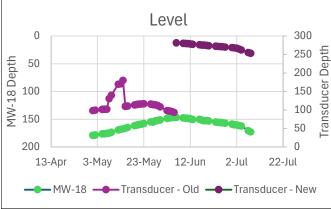
	7/8/2025		Lead Operator:	Patrick D
Report Date:			Assistant Operator(s):	Bryant A
			Assistant Operator(s).	
Effluent D	ischarged:	0.280 Mgal	MW-18 Level:	172.6 ft
Average Flowrate: Effluent to Date:		200.7 gpm	Transducer Level:	252 6 ft
		5.715 Mgal	Transducer Level.	253.6 ft

Parameters

Values







	Chemical Inventory				
	Chemicals	Antiscalant	NaOH	BaCl	
	Vol. Used	4 Gal	13 Gal	0 Gal	
	Vol. Remaining	345 Gal	40 Gal	32 Gal	
	Vol. Staged	0 Gal	425 Gal	150 Gal	
	Days Available	86 Days	36 Days	#DIV/0!	

рН

7.51

Cond

184 μS/cm

Temp

21°C

Safety Issues/Concerns:

- N/A

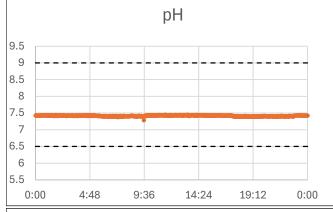
- Transferred 220 gallons of 50% NaOH.
- Received Chemical Delivery of 50% NaOH 520 gallons.
- Washed out old NaOH Tote , this caused the Plant Flow to drop and pH too rise but still within set Perameters.
- Removed 1 NaOH Tote offsite via Chemical Delivery Driver.

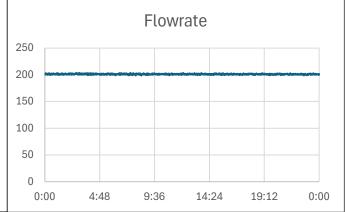


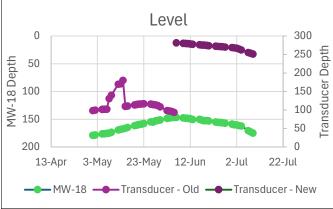
	7/9/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	ischarged:	0.355 Mgal	MW-18 Level:	174.9 ft
	Flowrate:	178.7 gpm	Transducer Level:	251 5 ft
Effluent to Date:		6.070 Mgal	Transducer Level.	251.5 ft

Parameters

Values







Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	4 Gal	23 Gal	5 Gal	
Vol. Remaining	341 Gal	239 Gal	30 Gal	
Vol. Staged	0 Gal	425 Gal	150 Gal	
Days	85 Days	29 Days	36 Days	

Finished Water Quality

Temp

21°C

рН

7.35

Cond

183 μS/cm

Safety Issues/Concerns:

- N/A

Notes:

- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.

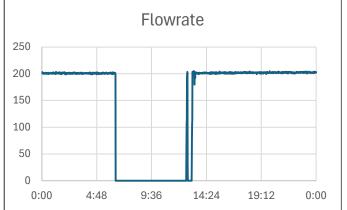


			Lead Operator:	Chris P
Report Date:		7/10/2025	Assistant Operator(s):	Patrick D
				Bryant A
Effluent Discharged: 0.203 Mgal		MW-18 Level:	176.2 ft	
Lilidelit D	iscriargeu.	0.203 Mgal	IVIVV-10 Level.	170.211
Average Flowrate:		146.2 gpm	Transducer Level:	249.4 ft
Effluent to Date:		6.273 Mgal	Transducer Level.	243.411

Parameters

Values





Finished Water Quality

Temp

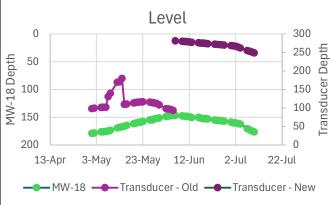
20°C

pH

7.43

Cond

183 µS/cm



	Chemical In	ventory		
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	4 Gal	17 Gal	2 Gal	
Vol. Remaining	337 Gal	216 Gal	25 Gal	
Vol. Staged	0 Gal	425 Gal	100 Gal	
Days Available	84 Days	37 Days	63 Days	

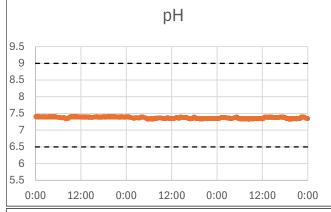
Safety Issues/Concerns:

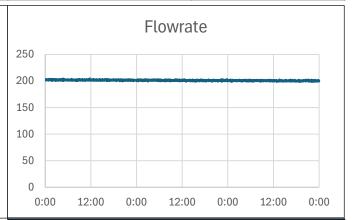
- N/A

- Plant SHUT DOWN at 06:00.
- RSO Patrick Hendrickson onsite for cartridge filter samples.
- Removed one Cartridge filter from each Canister for sampling and replaced them with new filters.
- Inspected RO#2 Vessel's 4 & 5. Vessel 5 end cap gasket replaced. Shimmed both Vessel's 4 & 5.
- Plant START UP at 13:45.
- Batched 25gal of BaCl.



	7/11/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
Effluent D	ischarged:	0.838 Mgal	MW-18 Level:	178.9 ft
	Flowrate:	201.2 gpm		
Effluent to Date:		7.111 Mgal	Transducer Level:	247.8 ft





Finished Water Quality

рΗ

7.25

Cond

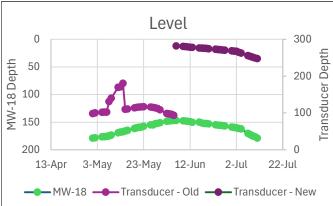
183 µS/cm

Temp

20°C

Parameters

Values



	Chemical In	ventory	
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	34 Gal	66 Gal	10 Gal
Vol. Remaining	333 Gal	199 Gal	50 Gal
Vol. Staged	0 Gal	425 Gal	100 Gal
Days Available	10 Days	9 Days	15 Days

Safety Issues/Concerns:

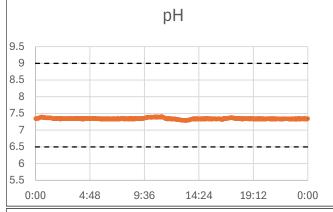
- N/A

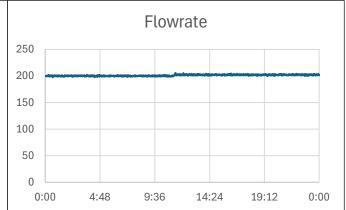
Notes:

- Collected Outfall 001A Weekly TSS Sample.



	7/14/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
Effluent D	ischarged:	0.280 Mgal	MW-18 Level:	185.0 ft
	Flowrate:	201.3 gpm		
Effluent to Date:		7.391 Mgal	Transducer Level:	241.4 ft





		Level		
	0	•	300	_
epth	50		- 200	Transducer Depth
MW-18 Depth	100		100	ducer
M	150		- 100	Trans
	200		0	
	13-	-Apr 3-May 23-May 12-Jun 2-Jul 22- -MW-18 - Transducer - Old - Transduce		,
		Transducer - Ota —— Transducer	1 - 1464	

Parameters	Temp	pН	Cond		
Values	20°C	7.07	12 μS/cm		
Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl		
Vol. Used	23 Gal	23 Gal	5 Gal		

Finished Water Quality

 Vol. Used
 23 Gal
 23 Gal
 5 Gal

 Vol. Remaining
 299 Gal
 133 Gal
 40 Gal

 Vol. Staged
 0 Gal
 425 Gal
 150 Gal

 Days Available
 13 Days
 24 Days
 38 Days

Safety Issues/Concerns:

- N/A

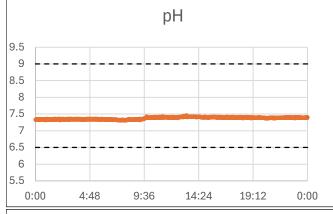
- Collected Outfall 001A Weekly TSS Sample.
- Raised Mine Pump Hertz from 56.7Hz to 57.3Hz.

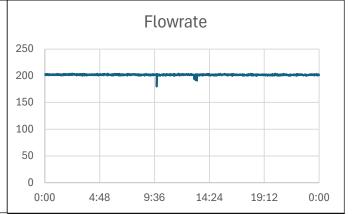


			Lead Operator:	Patrick D
Report Date:	7/15/2025		Assistant Operator(s):	Bryant A
			Assistant Operator(s).	
Effluent D	ischarged:	0.279 Mgal	MW-18 Level:	187.2 ft
Average Flowrate:		201.8 gpm	Transdupor Loval:	238.3 ft
Effluent to Date:		7.670 Mgal	Transducer Level:	230.3 11

Parameters

Values





Finished Water Quality

рН

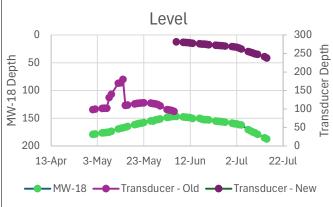
6.93

Cond

179 μS/cm

Temp

21°C



Chemical Inventory				
Chemicals	Antiscalant	NaOH	BaCl	
Vol. Used	6 Gal	21 Gal	5 Gal	
Vol. Remaining	287 Gal	110 Gal	35 Gal	
Vol. Staged	0 Gal	255 Gal	125 Gal	
Days Available	48 Days	18 Days	32 Days	

Safety Issues/Concerns:

- N/A

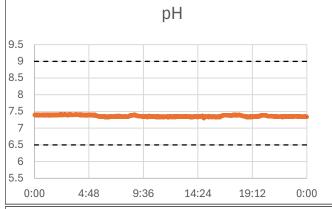
- Collected and Shipped Minepool and Table 1 Bi-Weekly Samples.
- Transferred 147 gallons of 50% NaOH.
- Batched 25 gallons of BaCl. Using the Permeate line to batch, This will cause flow to drop and pH too spike, still staying within Operating Permateres.

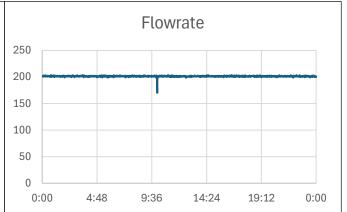


			Lead Operator:	Bryant A
Report Date:		7/16/2025	Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	iochorgodi	0.270 Mag	MW-18 Level:	189.6 ft
Ellidelit D	ischarged:	0.279 Mgal	IVIVV-10 Level.	109.011
Average Flowrate:		201.3 gpm	Transducer Level:	235.9 ft
Effluent to Date:		7.949 Mgal	Transducer Level.	200.9 11

Parameters

Values





Finished Water Quality

рН

6.94

Cond

176 µS/cm

Temp

20°C



	Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl			
Vol. Used	5 Gal	22 Gal	3 Gal			
Vol. Remaining	281 Gal	237 Gal	50 Gal			
Vol. Staged	0 Gal	255 Gal	125 Gal			
Days Available	56 Days	22 Days	58 Days			

Safety Issues/Concerns:

- N/A

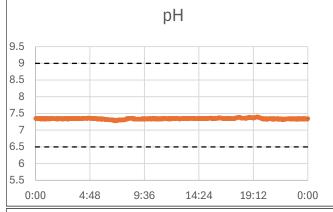
- Collected and Shipped Weekly TSS and COD Samples.
- Took a Mine Pool sample and verified readings with YSI Handheld. Used Permeate line to rinse the YSI. This caused a slight dip in the flow. Still within Operating Perameters.

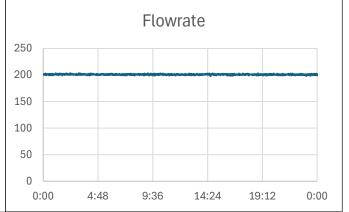


			Lead Operator:	Bryant A
Report Date:	7/17/2025		Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	ischarged:	0.280 Mgal	MW-18 Level:	191.9 ft
	Flowrate:	200.9 gpm	Transducer Level:	222.4.#
Effluent	to Date:	8.229 Mgal		233.4 ft

Parameters

Values





Finished Water Quality

Temp

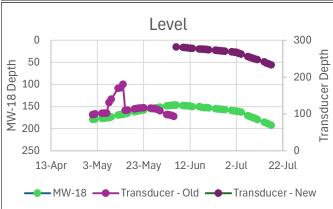
20°C

рΗ

7.02

Cond

177 µS/cm



	Chemical In	ventory	
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	8 Gal	23 Gal	3 Gal
Vol. Remaining	276 Gal	215 Gal	47 Gal
Vol. Staged	0 Gal	255 Gal	125 Gal
Days Available	35 Days	21 Days	57 Days

- N/A

Notes:

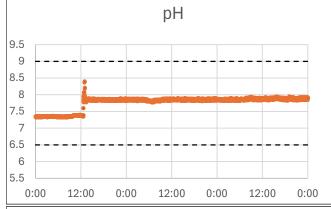
-

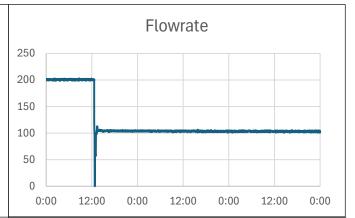


			Lead Operator:	Chris P
Report Date:	7/18/2025		Assistant Operator(s):	Bryant A
			Assistant Operator(s).	
Effluent D	ischarged:	0.502 Mgal	MW-18 Level:	194.8 ft
	Flowrate:	120.5 gpm		
	to Date:	8.731 Mgal	Transducer Level:	230.9 ft

Parameters

Values





Finished Water Quality

Temp

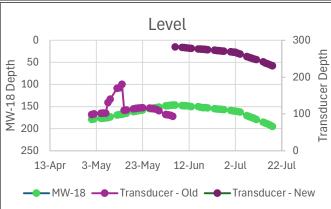
21°C

рН

7.41

Cond

176 μS/cm



Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl		
Vol. Used	3 Gal	41 Gal	14 Gal		
Vol. Remaining	268 Gal	192 Gal	44 Gal		
Vol. Staged	0 Gal	255 Gal	125 Gal		
Days Available	89 Days	11 Days	12 Days		

Safety Issues/Concerns:

- N/A

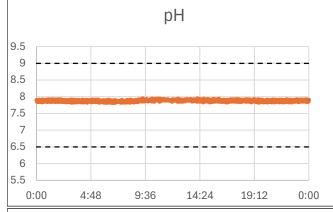
- Collected Outfall 001A Weekly TSS Sample.
- RO#1 has been temporarily Shut Off. RO#1 Feed Pump is leaking. Arvada Pump expected onsite 7/24/25 to fix this issue.
- Flushed RO#1 with Permeate from RO#2. RO#2 running online by itself.

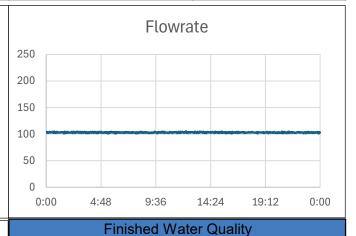


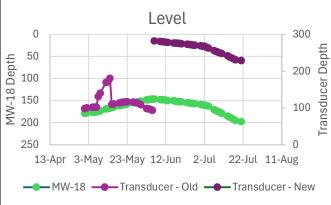
	7/21/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	ischarged:	0.143 Mgal	MW-18 Level:	197.4 ft
Average	Flowrate:	103.2 gpm	Transdupor Loval:	228.8 ft
Effluent	to Date:	8.874 Mgal	Transducer Level:	

Parameters

Values







-				
Chemical Inventory				
	Chemicals	Antiscalant	NaOH	BaCl
	Vol. Used	2 Gal	12 Gal	3 Gal
	Vol. Remaining	266 Gal	150 Gal	30 Gal
	Vol. Staged	0 Gal	255 Gal	125 Gal
	Days Available	133 Days	34 Days	52 Days

Temp

21°C

рΗ

7.88

Cond

198 µS/cm

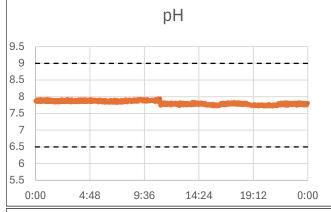
Safety Issues/Concerns:

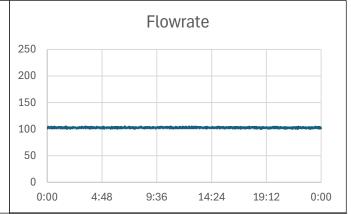
- N/A

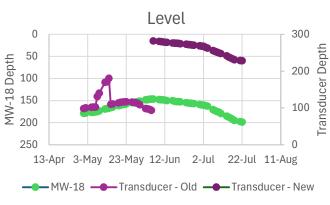
- Collected Outfall 001A Weekly TSS Sample.
- Peter Hays onsite inspection.



			Lead Operator:	Bryant A
Report Date:		7/22/2025	Assistant Operator(s):	
			Assistant Operator(s).	
= ca			202/101	100 15
Effluent D	ischarged:	0.142 Mgal	MW-18 Level:	198.4 ft
Average	Flowrate:	102.9 gpm	Transducer Level:	228.1 ft
Effluent	to Date:	9.016 Mgal		







	Chemical In	ventory	
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	2 Gal	11 Gal	4 Gal
Vol. Remaining	264 Gal	138 Gal	27 Gal
Vol. Staged	0 Gal	255 Gal	125 Gal
Days Available	132 Days	36 Days	38 Days

Finished Water Quality

рΗ

7.56

Cond

198 µS/cm

Temp

21°C

Parameters

Values

Safety Issues/Concerns:

- N/A

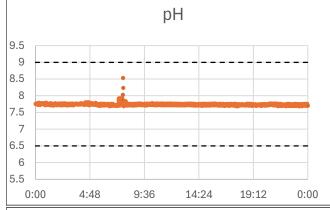
- Collected and Shipped Table 1 Bi-Weekly Samples.
- Lowered dosage of BaCl and NaOH.

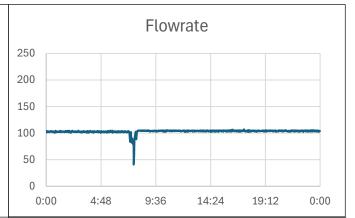


			Lead Operator:	Chris P
Report Date:		7/23/2025	Assistant Operator(s):	Bryant A
			Assistant Operator(s).	
Fffluent D	ischarged:	0.143 Mgal	MW-18 Level:	198.8 ft
	Flowrate:	103.3 gpm		
	to Date:	9.159 Mgal	Transducer Level:	227.4 ft

Parameters

Values





Finished Water Quality

Temp

20°C

pH

7.95

Cond

195 µS/cm



Chemical Inventory				
	Chemicals	Antiscalant	NaOH	BaCl
	Vol. Used	2 Gal	12 Gal	2 Gal
	Vol. Remaining	262 Gal	127 Gal	50 Gal
	Vol. Staged	0 Gal	255 Gal	100 Gal
	Days Available	131 Days	32 Days	75 Days

Safety Issues/Concerns:

- N/A

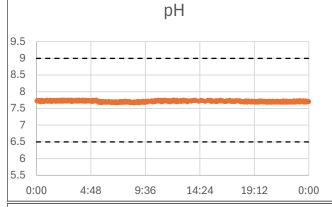
- Collected and Shipped TSS and COD Weekly Samples.
- Flushed and drained RO#1 with RO#2 Permeate. Prepped area for RO#1 Feed Pump Maintenance.
- Batched 25 gallons of BaCl using RO#2 Permeate. This caused flow to drop and pH too spike. Still within operating perameters.

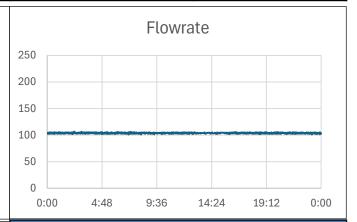


				Lead Operator:	Patrick D
R	Report Date:	7/24/2025		Assistant Operator(s):	Bryant A
	Effluent Di	ischarged:	0.130 Mgal	MW-18 Level:	199.3 ft
Ī	Average Flowrate: Effluent to Date:		104.0 gpm	Transducer Level:	226.7 ft
			9.289 Mgal	Transducer Level:	220.7 11

Parameters

Values





Finished Water Quality

Temp

20°C

рН

7.74

Cond

198 μS/cm

		Level					
	0	100000	- 300				
th	50						
MW-18 Depth	100	g l	- 200	ΙΠΥ			
N-18	150		- 100	\supseteq			
Σ	200						
	250		- 0				
	13-	Apr 3-May 23-May 12-Jun 2-Jul 22-Jul 11- <i>i</i>	Aug				
	→ MW-18 → Transducer - Old → Transducer - New						

	Chemical In	ventory	
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	3 Gal	12 Gal	2 Gal
Vol. Remaining	260 Gal	115 Gal	48 Gal
Vol. Staged	0 Gal	255 Gal	100 Gal
Days Available	87 Days	30 Days	74 Days

Safety Issues/Concerns:

- N/A

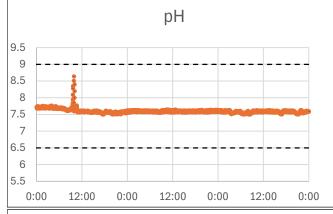
- Arvada Pump Company onsite too inspect pump and determine work that will need to be done on RO#1 Feed Pump.
- Anti scalant delivery 2 Totes. Total of 460 gallons.
- Starlink was down from 13:03 to 15:25.

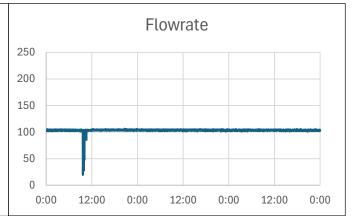


	7/25/2025		Lead Operator:	Patrick D
Report Date:			Assistant Operator(s):	Bryant A
			Assistant Operator(s).	
Effluent D	ischarged:	0.432 Mgal	MW-18 Level:	199.7 ft
Lilidelit D	ischargeu.	0.432 Ivigai	IVIVV-10 Level.	199.7 11
Average Flowrate: Effluent to Date:		103.5 gpm	Transducer Level:	225.9 ft
		9.721 Mgal		225.9 II

Parameters

Values





Finished Water Quality

Temp

20°C

рΗ

7.65

Cond

| 199 µS/cm |

				Le	vel				
	0			00				300	
th	50					100			
Dep	100		A				-	200	>
MW-18 Depth	150							100	ΙΠΥ
Σ	200								
	250							0	
	13-	Apr 3-I	May 23-	May 12-	Jun 2-	Jul 22	-Jul 11-A	ug	
→ MW-18 → Transducer - Old → Transducer - New									

	Chemical In	ventory	
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	8 Gal	29 Gal	4 Gal
Vol. Remaining	257 Gal	103 Gal	47 Gal
Vol. Staged	460 Gal	135 Gal	100 Gal
Days Available	90 Days	8 Days	37 Days

Safety Issues/Concerns:

- N/A

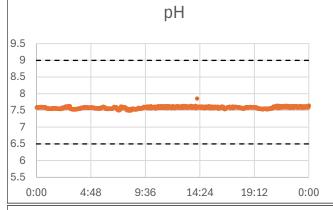
- -Trasferred 129 gallons of 50% NaOH.
- Washed NaOH Tote with RO#2 Permeate. This caused pH to spike and Flow to drop. Still within Operating Perameters.
- Collected Outfall 001A Weekly TSS Sample.
- Raised Plant Feed Pump Hertz from 46.8Hz to 46.9Hz.

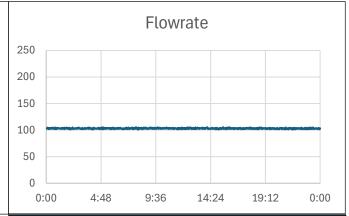


			Lead Operator:	Bryant A
Report Date:	port Date:	7/28/2025	Assistant Operator(s):	
Effluent D	ischarged:	0.143 Mgal	MW-18 Level:	201.1 ft
		•	IVIVV-10 LCVCI.	201.110
Average	Flowrate:	103.3 gpm	Transducer Level:	224.5 ft
Effluent to Date:		9.864 Mgal	Transducer Level.	224.5 11

Parameters

Values





Finished Water Quality

Temp

21°C

рН

7.48

Cond

200 μS/cm



Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl		
Vol. Used	3 Gal	11 Gal	2 Gal		
Vol. Remaining	249 Gal	221 Gal	42 Gal		
Vol. Staged	460 Gal	135 Gal	100 Gal		
Days Available	236 Days	31 Days	71 Days		

Safety Issues/Concerns:

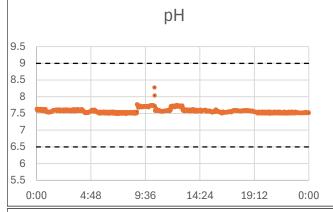
- N/A

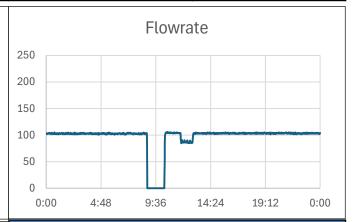
Notes:

-Collected Outfall 001A Weekly TSS Sample.



			Lead Operator:	Patrick D
Report Date:		7/29/2025	Assistant Operator(s):	Bryant A
Effluent D	ischarged:	0.133 Mgal	MW-18 Level:	201.4 ft
Lilidelit D	iscriargeu.	0.133 Mgai	IVIVV-10 Level.	201. 4 Il
Average	Flowrate:	95.9 gpm	Transdusor Lovel:	224.2 ft
Effluent to Date:		9.997 Mgal	Transducer Level:	ZZ4.Z Il





Finished Water Quality

рН

6.93

Cond

192 μS/cm

Temp

20°C

Parameters

Values



Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl		
Vol. Used	3 Gal	12 Gal	4 Gal		
Vol. Remaining	246 Gal	210 Gal	40 Gal		
Vol. Staged	460 Gal	135 Gal	100 Gal		
Days Available	235 Days	29 Days	35 Days		

Safety Issues/Concerns:

- N/A

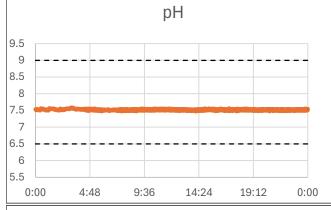
- -Plant Shut-Down at 08:49.
- Replaced bleed off valves on 3 RO Canisters. Replaced 2 from RO#1 and 1 from RO#2.
- Replaced RO#2 Anti Scalant valve at injection point.
- Plant Start-Up at 10:20.
- Flushed and Drained RO#1 using RO#2 Permeate.

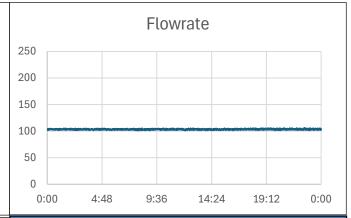


	7/30/2025		Lead Operator:	Bryant A
Report Date:			Assistant Operator(s):	
			Assistant Operator(s).	
Effluent D	ischarged:	0.143 Mgal	MW-18 Level:	201.7 ft
Average Flowrate:		103.5 gpm	Transducer Level:	223.7 ft
Effluent to Date:		10.140 Mgal	Transducer Level:	223.7 Il

Parameters

Values







Chemical Inventory					
Chemicals	Antiscalant	NaOH	BaCl		
Vol. Used	3 Gal	11 Gal	6 Gal		
Vol. Remaining	242 Gal	198 Gal	36 Gal		
Vol. Staged	460 Gal	135 Gal	100 Gal		
Days Available	234 Days	31 Days	23 Days		

Finished Water Quality

рН

8.04

Cond

188 μS/cm

Temp

21°C

Safety Issues/Concerns:

- N/A

Notes:

- Collected and Shipped Outfall 001A Weekly TSS, COD and Quarterly TDS Samples.



			Lead Operator:		Patrick D			
Report Date:	7	7/31/2025			sistant C)perator(s):	Bryant A	
Effluent Discharged:		0.144 Mgal		MW-18 Level:		202.0 ft	84.7 ft	
Average Flowrate:		103.4 gpm		Transducer Level:		223.3 ft	72.7 ft	
Effluent to Date:		10.284 Mgal		(Field Reading Value below 150')				
рН				Flowrate				
9.5				250				
9				200				
8.5				150				
7.5		~	-	100				
6.5				50				
6 5.5				0				
0:00 4:48	9:36 1	4:24 19:12	0:00	0:	00 4:4	48 9:36	14:24 19	:12 0:00
Compliance Loyel				Finished Water Quality				
€ Compliance Level			Para	meters	Temp	рН	Cond	
Populari 20				V	alues	20°C	7.61	187 μS/cm
9 40				Chemical Inventory				
00 60	(£) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Che	micals	Antiscalant	NaOH	BaCl
80 80				Vo	l. Used	3 Gal	12 Gal	5 Gal
100 less				Vol. F	temaining	239 Gal	187 Gal	30 Gal
g 3-Apr	23-May	12-Jul	31-Aug	Vol.	Staged	460 Gal	135 Gal	80 Gal
	─ Transducer Level	─ MW-18			Days ailable	233 Days	28 Days	22 Days

Safety Issues/Concerns:

- N/A

Notes:

- Peter Hays and Lucas West onsite.
- Joel Monroe from Denver Winpump onsite. Took apart RO#1 Feed pump, removed the mechanical seal. Waiting on getting a quote back.
- Installed POE+ switch for Ethernet Extender.
- Batched 20 gallons of BaCl. This caused a slight pH spike and Plant Flow drop. Still within Operating Parameters.

NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and remained in place over the winter. On 6/6/2025, it was replaced with an absolute transducer with a 600-ft cable at a lower depth. A 77.1-ft difference in readings was observed. While some of offset may be a result from the deeper installation and transducer type, the old data's accuracy is questionable due to damage to the atmospheric vent, which may have allowed moisture intrusion.