Date: September 11, 2025
To: Peter Hays
From: Christopher Prosper
Project: SWTP 2025
Subject: August 2025 Monthly Reporting
Doc. No.: 25US0221-4- 1

INTRODUCTION

This memorandum contains the requirements for monthly report submittal for the month of August 2025 pursuant to point 29 of Section IV (Standards and Requirements) of the project contract.

Section 29

A. EMPLOYEE TRAINING AND EQUIPMENT UPDATES FOR SWTP SPILL RESPONSES

No spills occurred onsite.

B. VOLUME OF WATER TREATED

7,125,376 gallons

C. CHEMICALS/FILTERS CONSUMED

Filters:

- 48 cartridge filters
- 0 RO membranes

Chemicals:

- Caustic (50%): 595 gal
- Antiscalant: 226 gal
- Barium Chloride: 210 lbs

D. VOLUME OF BRINE RETURNED TO THE MINE POOL

3,787,200 gallons. Due to the issue with the analog input board malfunctioning, the influent flowmeter could not register a flowrate therefore the volume returned to the mine pool is an estimate based on operational data for RO recovery.

E. MAINTENANCE PERFORMED

- Cartridge filter changed out for all RO Cartridge filters
- Fixed leaking seal in RO#1 high pressure pump (on 8/7/2025)
- CIP on RO#1 (High pH CIP only on 8/8/25)

- Adjusted plant alarm setpoints to better capture possible plant shutdowns
- Replaced Analog Input board on RO PLC
- Replaced Power Supply cord on RO PLC
- Routed the power for RO#2 such that it is powered by an extension cord as opposed to being powered through the RO PLC.
- Purchased a new 2" hose with camlock ends to support with chemical makedown and other operational requirements.
- Removed 7 empty chemical totes from site
- Calibrated effluent pH probe
- Replaced valving on antiscalant injection feed prior to RO#2

F. SAMPLING RESULTS AND QA/QC SUMMARY

Attached as Attachment 1. Some analytes have a turnaround time of 20 days. Results are reported as the summary of the previous month.

G. ISSUES ENCOUNTERED AND RESOLUTION

Table 1 Issues and Resolutions

Issues Encountered	Resolution
Leaking Oil from RO#1 High Pressure Pump	Replaced the seal in the pump. Once the seal was replaced, RO#1 was CIP'd before bringing the RO back online. No leaking oil was observed after the maintenance was performed
Sample point SW-AWD was dry when trying to sample	This was documented and no further action is required.
Analog input board on the RO PLC malfunctioned after a suspected power surge. Plant was shutdown as there was no way to control the chemical dosing pumps (BaCl and antiscalant).	Plant was able to be restarted with the chemical dosing pumps being operated in manual. The board was replaced however the issue persisted. Further troubleshooting is required and will be explored in September. The plant continues to operate with the chemical pumps in manual.
Small leak found at the air relief valve at the top of IX2 when operating with 1 RO.	When operating at 2 ROs, the leak stopped. No further action is required
Suspected Minepool VFD fan overheating – During operation, it is suspected that the mine pool VFD overheated and shutdown the plant. No system alarms were triggered to alert the operations team of the shutdown because the IX feed pressure alarm setpoint was marginally too low (pressure was reading 3.89 psi; the low-low alarm was set to 3.00 psi).	In response, the Minepool VFD breaker was reset, the air filters for the fans on the VFD panel in the plant were replaced. To prevent recurrence, the following corrective actions have been implemented: • Adjusted IX feed pressure alarm setpoints to align more closely with normal operating conditions. • Reviewed and updated the alarm setpoints to improve operational insight. • Added weekly inspection of VFD panel filters to the operational calendar to reduce the likelihood of filter-related shutdowns. • Ordered and received additional VFD filters for more frequent exchange.

H. Recommendations

- Upgrade the Minepool VFD fans on the VFD panel. The VFD manual calls for 209 cfm fans. The existing 2 fans are rated to 38.8 cfm each
- Upgrade the PLCs controlling the plant. The existing PLCs are outdated and obsolete technology which are becoming increasingly difficult to maintain and operate. Replacement parts also continue to become more challenging to acquire.

Enclosures:

Attachment 1 July DMR and SW submittal
Attachment 2 Daily Reports

END

Linkan

ATTACHMENT 1

JULY DMR AND SW SUBMITTAL

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

08/28/2025
25US0221

Re: Discharge Monitoring Report for July 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 July 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.

The Total Suspended Solids (TSS) samples taken on July 4th, 7th and 9th were incorrectly analyzed for Total Dissolved Solids (TDS) because of a mistake from Energy Labs. The mistake wasn't found until after the holding time. Attached is a letter from Energy Labs describing the issue. All other TSS samples during the month of July were Non-Detect (ND). Energy Labs assures this mistake will not happen in the future.

Best regards,
Linkan

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

Enclosures:

July 2025 DMR Submittal
Letter from Energy Labs

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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Jared Buck, Linkan, jared.buck@linkan.com
Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25070838

Revised Date: 08/28/25
Report Date: 07/16/25

CASE NARRATIVE

Revised Report 8/28/2025;

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

DMR Copy of Record

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

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

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Permit

Permit #:	**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	**Facility Location:**	8300 GLENCOE VALLEY RD GOLDEN, CO 80402
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** WWTF Discharge to Ralston Creek		

Report Dates & Status

Monitoring Period:	**From 07/01/25 to 07/31/25**	**DMR Due Date:**	**08/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Oil and grease - see I.A.2, page 3. Antidegradation limits - see C.2, page 7.

Principal Executive Officer

First Name:		**Title:**		**Telephone:**	
Last Name:					

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00340	**Oxygen demand, chem. [high level] [COD]**	1 - Effluent Gross	0	--	Sample								=	1.5	=	6.0	19 - mg/L		01/07 - Weekly	CP - Composite
					Permit Req.								<=	100.0 30DA AVG	<=	200.0 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	6.93			=	8.18	12 - SU		05/WK - Five Per Week	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	05/WK - Five Per Week	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	19 - mg/L		03/07 - Three Per Week	CP - Composite
					Permit Req.								<=	20.0 30DA AVG	<=	30.0 DAILY MX	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Value NODI															
00718	**Cyanide, weak acid, dissociable**	1 - Effluent Gross	0	--	Sample										<	1.0	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.										<=	5.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
00718	**Cyanide, weak acid, dissociable**	P - See Comments	0	--	Sample															
					Permit Req.								<=	0.75 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI									B - Below Detection Limit/No Detection						
00940	**Chloride [as Cl]**	1 - Effluent Gross	0	--	Sample								=	1.5			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	250.0 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
		P - See			Sample								=	0.77			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit												19 -		02/30 - Twice Per	

00940	**Chloride [as Cl]**	Comments	0	--	Req.							<=	54.0 ROLL AVG			mg/L	0	Month	CP - Composite
					Value NODI																
00945	**Sulfate, total [as SO4]**	1 - Effluent Gross	0	--	Sample							=	10.0			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	250.0 30DA AVG			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Value NODI																
00945	**Sulfate, total [as SO4]**	P - See Comments	0	--	Sample							=	6.28			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	131.0 ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00949	**Fluoride**	1 - Effluent Gross	0	--	Sample									<	0.1	19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									<=	2.0 DAILY MX	19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
X 00978	**Arsenic, total recoverable**	1 - Effluent Gross	0	--	Sample							=	5.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	0.02 30DA AVG			28 - ug/L	1	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00980	**Iron, total recoverable**	1 - Effluent Gross	0	--	Sample							=	25.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00980	**Iron, total recoverable**	P - See Comments	0	--	Sample							=	7.5			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								Req Mon ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01022	**Boron, total [as B]**	1 - Effluent Gross	0	--	Sample							=	0.18			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	0.46 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01046	**Iron, dissolved [as Fe]**	1 - Effluent Gross	0	--	Sample							<	20.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	300.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01046	**Iron, dissolved [as Fe]**	P - See Comments	0	--	Sample																
					Permit Req.							<=	45.0 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI								B - Below Detection Limit/No Detection								
01056	**Manganese, dissolved [as Mn]**	1 - Effluent Gross	0	--	Sample							=	1.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	50.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01056	**Manganese, dissolved [as Mn]**	P - See Comments	0	--	Sample							=	0.4			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	7.5 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01059	**Thallium, total [as Tl]**	1 - Effluent Gross	0	--	Sample																
					Permit Req.							<=	0.24 30DA AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI								B - Below Detection Limit/No Detection								
01097	**Antimony, total [as Sb]**	1 - Effluent Gross	0	--	Sample							<	1.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	5.6 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
																28 -		02/30 - Twice Per	

01220	**Chromium, hexavalent dissolved [as Cr]**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	ug/L	0	Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01303	**Zinc, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01303	**Zinc, potentially dissolved**	P - See Comments	0	--	Sample								=	15.4			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01304	**Silver, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	0.04	<	0.04	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	0.13 30DA AVG	<=	3.5 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01304	**Silver, potentially dissolved**	P - See Comments	0	--	Sample															
					Permit Req.								<=	0.02 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI									B - Below Detection Limit/No Detection						
01306	**Copper, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	12.0 30DA AVG	<=	18.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01306	**Copper, potentially dissolved**	P - See Comments	0	--	Sample								=	0.09			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	1.8 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01313	**Cadmium, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01322	**Nickel, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	5.0	<	5.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01322	**Nickel, potentially dissolvd**	P - See Comments	0	--	Sample								<	8.0			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01323	**Selenium, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01323	**Selenium, potentially dissolvd**	P - See Comments	0	--	Sample								<	1.0			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
03582	**Oil and grease**	1 - Effluent Gross	0	--	Sample															
					Permit Req.										<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - Grab
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
04262	**Chromium, trivalent total recoverable**	1 - Effluent Gross	0	--	Sample										<	10.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.										<=	50.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value															

					NODI																	
04262	**Chromium, trivalent total recoverable**	P - See Comments	0	--	Sample								<=	7.5 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.															
					Value NODI									B - Below Detection Limit/No Detection						
09501	**Radium 226, total**	1 - Effluent Gross	0	--	Sample								=	0.15	=	0.2	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	10.0 30DA AVG	<=	30.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
09503	**Radium 226, dissolved**	1 - Effluent Gross	0	--	Sample								=	0.2	=	0.3	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	3.0 30DA AVG	<=	10.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
11503	**Radium 226 + radium 228, total**	1 - Effluent Gross	0	--	Sample								=	0.55			17 - pCi/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	5.0 30DA AVG			17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
22708	**Uranium, total**	1 - Effluent Gross	0	--	Sample								=	9.75			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	30.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
22708	**Uranium, total**	P - See Comments	0	--	Sample								=	11.14			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	22.0 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	0.214934	=	0.293054	03 - MGD									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.	<=	0.288 30DA AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
51202	**Sulfide-hydrogen sulfide [undissociated]**	1 - Effluent Gross	0	--	Sample								<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
51202	**Sulfide-hydrogen sulfide [undissociated]**	P - See Comments	0	--	Sample								<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample								<	0.1			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
84066	**Oil and grease visual**	1 - Effluent Gross	0	--	Sample			=	0.0	9P - N=0;Y=1									05/WK - Five Per Week	VI - Visual
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1									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					
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

Attachments

Name	Type	Size
2025_07_Schwartzwalder_Outfall_001A_Results_7.pdf	pdf	1807698.0
2025_07_Schwartzwalder_Outfall_001A_Cover_Letter.pdf	pdf	320785.0
2025_07_Schwartzwalder_Outfall_001A_Results_5.pdf	pdf	1775319.0
2025_07_Schwartzwalder_Outfall_001A_Results_4.pdf	pdf	1812135.0
2025_07_Schwartzwalder_Outfall_001A_Results_3.pdf	pdf	1777458.0
2025_07_Schwartzwalder_Outfall_001A_Results_2.pdf	pdf	2321741.0
2025_07_Schwartzwalder_Outfall_001A_Results_1.pdf	pdf	2301684.0
2025_07_Schwartzwalder_Outfall_001A_Results_6.pdf	pdf	2041515.0

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:	2025-08-28 12:34 (Time Zone: -06:00)

Report Last Signed By

User:	pdelaney@alexcoresource.com
Name:	Patrick Delaney
E-Mail:	pdelaney@blackfoxmining.com
Date/Time:	2025-08-28 12:34 (Time Zone: -06:00)

ANALYTICAL SUMMARY REPORT

August 11, 2025

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

Work Order: B25071646 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071646-001	Outfall 001A	07/15/25 14:30	07/18/25	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 Colorimetric

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.

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25071646

Report Date: 08/11/25

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
Project: Schwartzwalder Mine
Lab ID: B25071646-001
Client Sample ID: Outfall 001A

Report Date: 08/11/25
Collection Date: 07/15/25 14:30
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	1	mg/L		1		E300.0	07/19/25 00:56 / caa
Sulfate	8	mg/L		1		E300.0	07/19/25 00:56 / caa
Fluoride	0.02	mg/L	J	0.1		E300.0	07/19/25 00:56 / caa
Cyanide, Weak Acid Dissociable	ND	ug/L		1		Kelada-01	07/18/25 13:30 / fap
Sulfide	ND	mg/L		0.04		A4500-S D	07/21/25 16:59 / pmw
METALS, DISSOLVED							
Chromium, Hexavalent	ND	ug/L	H	10		A3500-Cr B	07/18/25 15:29 / mjb
Iron	10	ug/L	J	20		E200.8	07/22/25 18:52 / aem
Manganese	1	ug/L		1		E200.8	07/22/25 18:52 / aem
METALS, POTENTIALLY DISSOLVED							
Cadmium	ND	ug/L		1		E200.8	07/22/25 21:13 / aem
Copper	0.1	ug/L	JL	0.5		E200.8	07/23/25 17:19 / aem
Nickel	0.2	ug/L	J	5		E200.8	07/22/25 21:13 / aem
Selenium	ND	ug/L		1		E200.8	07/22/25 21:13 / aem
Silver	ND	ug/L	L	0.04		E200.8	07/22/25 21:13 / aem
Zinc	5	ug/L	J	10		E200.8	07/22/25 21:13 / aem
METALS, TOTAL RECOVERABLE							
Arsenic	6	ug/L		1		E200.8	07/26/25 10:25 / jks
Chromium	ND	ug/L		5		E200.8	07/26/25 10:25 / jks
Chromium, Trivalent	ND	ug/L		10		0	07/28/25 08:24 / bap
Iron	20	ug/L		20		E200.8	07/26/25 10:25 / jks
Uranium	9	ug/L		0.3		E200.8	07/26/25 10:25 / jks
METALS, TOTAL							
Antimony	ND	ug/L		1		E200.8	07/26/25 10:25 / jks
Boron	180	ug/L		50		E200.7	07/23/25 15:31 / jaw
Mercury	ND	ug/L		0.1		E245.1	07/21/25 16:39 / mjb
Thallium	ND	ug/L		0.5		E200.8	07/26/25 10:25 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	0.1	pCi/L	U			E903.0	08/07/25 13:18 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 13:18 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/07/25 13:18 / eli-ca
RADIONUCLIDES - TOTAL							
Radium 226	0.1	pCi/L	U			E903.0	08/06/25 17:15 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/06/25 17:15 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/06/25 17:15 / eli-ca
Radium 228	0.4	pCi/L	U			RA-05	07/30/25 16:02 / eli-ca
Radium 228 precision (±)	0.5	pCi/L				RA-05	07/30/25 16:02 / eli-ca
Radium 228 MDC	0.9	pCi/L				RA-05	07/30/25 16:02 / eli-ca
Radium 226 + Radium 228	0.5	pCi/L	U			A7500-RA	08/07/25 10:47 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit
MCL - Maximum Contaminant Level
QCL - Quality Control Limit
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
J - Estimated value - analyte was present but less than the Reporting Limit (RL)
L -Lowest available reporting limit for the analytical method used and/or volume submitted
U - Not detected

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071646-001
Client Sample ID: Outfall 001A

Report Date: 08/11/25
Collection Date: 07/15/25 14:30
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.6	pCi/L				A7500-RA	08/07/25 10:47 / eli-ca
Radium 226 + Radium 228 MDC	0.9	pCi/L				A7500-RA	08/07/25 10:47 / eli-ca

Report Definitions:
RL - Analyte Reporting Limit
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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A3500-Cr B**									Analytical Run: SPEC3_250718A	
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/18/25 11:28	
Chromium, Hexavalent		0.0990	mg/L	0.010	99	90	110			
Method: **A3500-Cr B**									Batch: R446058	
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		ND	mg/L	0.003						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0962	mg/L	0.010	96	90	110			
Lab ID: **B25071621-001AMS**		Sample Matrix Spike				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0934	mg/L	0.010	93	80	120			
Lab ID: **B25071621-001AMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0911	mg/L	0.010	91	80	120	2.5	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-S D**										Batch: R446162
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		ND	mg/L	0.01						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.191	mg/L	0.040	99	85	115			
Lab ID: **B25071655-001HMS**		Sample Matrix Spike				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.365	mg/L	0.040	95	70	130			
Lab ID: **B25071655-001HMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.367	mg/L	0.040	95	70	130	0.5	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**									Analytical Run: ICP205-B_250723A	
Lab ID: **ICV**		Continuing Calibration Verification Standard							07/23/25 13:20	
Boron		2.49	mg/L	0.10	100	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/23/25 15:21	
Boron		2.50	mg/L	0.10	100	90	110			
Method: **E200.7**									Batch: 201686	
Lab ID: **MB-201686**		Method Blank				Run: ICP205-B_250723A			07/23/25 15:16	
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-201686**		Laboratory Control Sample				Run: ICP205-B_250723A			07/23/25 15:17	
Boron		1.04	mg/L	0.050	104	85	115			
Lab ID: **B25071614-001BMS3**		Sample Matrix Spike				Run: ICP205-B_250723A			07/23/25 15:25	
Boron		2.13	mg/L	0.10	106	70	130			
Lab ID: **B25071614-001BMSD3**		Sample Matrix Spike Duplicate				Run: ICP205-B_250723A			07/23/25 15:26	
Boron		2.14	mg/L	0.10	107	70	130	0.8	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS207-B_250721A	
Lab ID: QCS	7	Initial Calibration Verification Standard								07/22/25 18:11
Cadmium		0.0195	mg/L	0.0010	97	90	110			
Iron		0.190	mg/L	0.020	95	90	110			
Manganese		0.191	mg/L	0.0050	96	90	110			
Nickel		0.0376	mg/L	0.0050	94	90	110			
Selenium		0.0383	mg/L	0.0050	96	90	110			
Silver		0.0188	mg/L	0.0050	94	90	110			
Zinc		0.0378	mg/L	0.0050	95	90	110			
Lab ID: CCV	7	Continuing Calibration Verification Standard								07/22/25 18:17
Cadmium		0.0488	mg/L	0.0010	98	90	110			
Iron		1.23	mg/L	0.020	95	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Nickel		0.0473	mg/L	0.0050	95	90	110			
Selenium		0.0487	mg/L	0.0050	97	90	110			
Silver		0.0196	mg/L	0.0050	98	90	110			
Zinc		0.0477	mg/L	0.0050	95	90	110			
Lab ID: CCV	7	Continuing Calibration Verification Standard								07/22/25 20:55
Cadmium		0.0490	mg/L	0.0010	98	90	110			
Iron		1.27	mg/L	0.020	98	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Nickel		0.0476	mg/L	0.0050	95	90	110			
Selenium		0.0503	mg/L	0.0050	101	90	110			
Silver		0.0202	mg/L	0.0050	101	90	110			
Zinc		0.0471	mg/L	0.0050	94	90	110			
Method: E200.8										Batch: R446131
Lab ID: LRB	7	Method Blank				Run: ICPMS207-B_250721A				07/21/25 11:33
Cadmium		ND	mg/L	3E-6						
Iron		ND	mg/L	0.001						
Manganese		ND	mg/L	0.00003						
Nickel		ND	mg/L	0.0001						
Selenium		0.00008	mg/L	0.00003						
Silver		ND	mg/L	3E-6						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	7	Laboratory Fortified Blank				Run: ICPMS207-B_250721A				07/21/25 11:57
Cadmium		0.0476	mg/L	0.0010	95	85	115			
Iron		5.21	mg/L	0.020	104	85	115			
Manganese		0.0516	mg/L	0.0050	103	85	115			
Nickel		0.0487	mg/L	0.0050	97	85	115			
Selenium		0.0496	mg/L	0.0050	99	85	115			
Silver		0.0193	mg/L	0.0050	96	85	115			
Zinc		0.0502	mg/L	0.0050	100	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R446131
Lab ID: B25071646-001BMS	7	Sample Matrix Spike				Run: ICPMS207-B_250721A				07/22/25 18:58
Cadmium		0.0481	mg/L	0.0010	96	70	130			
Iron		4.88	mg/L	0.020	97	70	130			
Manganese		0.0496	mg/L	0.0010	97	70	130			
Nickel		0.0462	mg/L	0.0050	92	70	130			
Selenium		0.0479	mg/L	0.0010	96	70	130			
Silver		0.0190	mg/L	0.0010	95	70	130			
Zinc		0.0473	mg/L	0.010	91	70	130			
Lab ID: B25071646-001BMSD	7	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250721A				07/22/25 19:04
Cadmium		0.0498	mg/L	0.0010	100	70	130	3.5	20	
Iron		5.01	mg/L	0.020	100	70	130	2.6	20	
Manganese		0.0514	mg/L	0.0010	101	70	130	3.6	20	
Nickel		0.0475	mg/L	0.0050	95	70	130	2.8	20	
Selenium		0.0498	mg/L	0.0010	100	70	130	3.9	20	
Silver		0.0197	mg/L	0.0010	98	70	130	3.3	20	
Zinc		0.0486	mg/L	0.010	94	70	130	2.7	20	
Lab ID: MB-201683	7	Method Blank				Run: ICPMS207-B_250721A				07/22/25 21:07
Cadmium		ND	mg/L	9E-6						
Iron		0.004	mg/L	0.001						
Manganese		ND	mg/L	0.00003						
Nickel		0.0001	mg/L	0.0001						
Selenium		ND	mg/L	0.00003						
Silver		ND	mg/L	3E-6						
Zinc		0.001	mg/L	0.001						
Method: E200.8										Analytical Run: ICPMS208-B_250725A
Lab ID: QCS	6	Initial Calibration Verification Standard								07/26/25 03:42
Antimony		0.0385	mg/L	0.0050	96	90	110			
Arsenic		0.0384	mg/L	0.0050	96	90	110			
Chromium		0.0380	mg/L	0.010	95	90	110			
Iron		0.203	mg/L	0.020	102	90	110			
Thallium		0.0395	mg/L	0.0050	99	90	110			
Uranium		0.0368	mg/L	0.00030	92	90	110			
Lab ID: CCV	6	Continuing Calibration Verification Standard								07/26/25 09:56
Antimony		0.0495	mg/L	0.0050	99	90	110			
Arsenic		0.0472	mg/L	0.0050	94	90	110			
Chromium		0.0465	mg/L	0.010	93	90	110			
Iron		1.31	mg/L	0.020	101	90	110			
Thallium		0.0456	mg/L	0.0050	91	90	110			
Uranium		0.0474	mg/L	0.00030	95	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS209-B_250723A
Lab ID: QCS		Initial Calibration Verification Standard								07/23/25 16:34
Copper		0.0365	mg/L	0.010	91	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard								07/23/25 16:39
Copper		0.0467	mg/L	0.010	93	90	110			
Method: E200.8										Batch: 201686
Lab ID: MB-201686	6	Method Blank				Run: ICPMS209-B_250723A				07/25/25 03:10
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0003						
Iron		ND	mg/L	0.004						
Thallium		ND	mg/L	0.00008						
Uranium		ND	mg/L	0.00001						
Lab ID: LCS4-201686	6	Laboratory Control Sample				Run: ICPMS209-B_250723A				07/25/25 03:15
Antimony		0.0985	mg/L	0.0050	99	85	115			
Arsenic		0.0912	mg/L	0.0010	91	85	115			
Chromium		0.0900	mg/L	0.0010	90	85	115			
Iron		0.489	mg/L	0.010	98	85	115			
Thallium		0.0947	mg/L	0.0010	95	85	115			
Uranium		0.0921	mg/L	0.00030	92	85	115			
Lab ID: B25071606-002EMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250723A				07/25/25 06:15
Antimony		0.107	mg/L	0.0010	107	70	130			
Arsenic		0.0915	mg/L	0.0010	91	70	130			
Chromium		0.0901	mg/L	0.0050	90	70	130			
Iron		0.491	mg/L	0.020	96	70	130			
Thallium		0.0998	mg/L	0.00050	100	70	130			
Uranium		0.0972	mg/L	0.00030	97	70	130			
Lab ID: B25071606-002EMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A				07/25/25 06:20
Antimony		0.103	mg/L	0.0010	103	70	130	3.6	20	
Arsenic		0.0912	mg/L	0.0010	91	70	130	0.3	20	
Chromium		0.0901	mg/L	0.0050	90	70	130	0.0	20	
Iron		0.493	mg/L	0.020	97	70	130	0.3	20	
Thallium		0.0975	mg/L	0.00050	98	70	130	2.3	20	
Uranium		0.0975	mg/L	0.00030	97	70	130	0.3	20	
Method: E200.8										Batch: R446300
Lab ID: LRB		Method Blank				Run: ICPMS209-B_250723A				07/23/25 11:27
Copper		ND	mg/L	0.00005						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS209-B_250723A				07/23/25 11:44
Copper		0.0459	mg/L	0.010	92	85	115			
Lab ID: MB-201683		Method Blank				Run: ICPMS209-B_250723A				07/23/25 17:14
Copper		0.0009	mg/L	0.00005						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Batch: R446300
Lab ID: **B25071646-001DMS**		Sample Matrix Spike				Run: ICPMS209-B_250723A				07/23/25 17:25
Copper		0.0448	mg/L	0.0050	89	70	130			
Lab ID: **B25071646-001DMSD**		Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A				07/23/25 17:30
Copper		0.0455	mg/L	0.0050	91	70	130	1.5	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**									Analytical Run: HGCV203-B_250721A	
Lab ID: **ICV-201625**		Initial Calibration Verification Standard							07/21/25 15:09	
Mercury		0.00211	mg/L	0.00010	106	90	110			
Lab ID: **CCV1**		Continuing Calibration Verification Standard							07/21/25 15:10	
Mercury		0.00253	mg/L	0.00010	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/21/25 16:34	
Mercury		0.00251	mg/L	0.00010	100	90	110			
Method: **E245.1**									Batch: 201655	
Lab ID: **MB-201655**		Method Blank				Run: HGCV203-B_250721A			07/21/25 16:12	
Mercury		ND	mg/L	0.00006						
Lab ID: **LCS-201655**		Laboratory Control Sample				Run: HGCV203-B_250721A			07/21/25 16:13	
Mercury		0.00212	mg/L	0.00010	106	85	115			
Lab ID: **B25071652-003BMS**		Sample Matrix Spike				Run: HGCV203-B_250721A			07/21/25 16:45	
Mercury		0.00212	mg/L	0.00010	106	70	130			
Lab ID: **B25071652-003BMSD**		Sample Matrix Spike Duplicate				Run: HGCV203-B_250721A			07/21/25 16:46	
Mercury		0.00210	mg/L	0.00010	105	70	130	0.8	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC METROHM 1_250717A	
Lab ID: ICV	3	Initial Calibration Verification Standard							07/17/25 11:39	
Chloride		25.6	mg/L	1.0	103	90	110			
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.24	mg/L	0.10	100	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							07/18/25 23:17	
Chloride		26.4	mg/L	1.0	106	90	110			
Sulfate		107	mg/L	1.0	107	90	110			
Fluoride		1.29	mg/L	0.10	103	90	110			
Method: E300.0									Batch: R446054	
Lab ID: ICB	3	Method Blank				Run: IC METROHM 1_250717A			07/17/25 11:56	
Chloride		ND	mg/L	0.1						
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	3	Laboratory Fortified Blank				Run: IC METROHM 1_250717A			07/17/25 12:12	
Chloride		25.8	mg/L	1.0	103	90	110			
Sulfate		105	mg/L	1.1	105	90	110			
Fluoride		1.28	mg/L	0.10	102	90	110			
Lab ID: B25071563-003AMS	3	Sample Matrix Spike				Run: IC METROHM 1_250717A			07/18/25 23:50	
Chloride		51.0	mg/L	1.0	94	90	110			
Sulfate		215	mg/L	1.0	94	90	110			
Fluoride		1.19	mg/L	0.10	94	90	110			
Lab ID: B25071563-003AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250717A			07/19/25 00:06	
Chloride		51.2	mg/L	1.0	95	90	110	0.4	20	
Sulfate		216	mg/L	1.0	94	90	110	0.3	20	
Fluoride		1.20	mg/L	0.10	94	90	110	0.6	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**										Analytical Run: SFA-202-B_250718A
Lab ID: **ICV**		Initial Calibration Verification Standard								07/18/25 11:36
Cyanide, Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/18/25 12:25
Cyanide, Weak Acid Dissociable		0.0104	mg/L	0.0010	104	90	110			
Method: **Kelada-01**										Batch: R446065
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250718A				07/18/25 11:37
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250718A				07/18/25 11:39
Cyanide, Weak Acid Dissociable		0.0102	mg/L	0.0010	102	90	110			
Lab ID: **LCS1-ZnCN**		Laboratory Control Sample				Run: SFA-202-B_250718A				07/18/25 11:41
Cyanide, Weak Acid Dissociable		0.00989	mg/L	0.0010	99	90	110			
Lab ID: **B25071478-001EMS**		Sample Matrix Spike				Run: SFA-202-B_250718A				07/18/25 12:05
Cyanide, Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120			
Lab ID: **B25071478-001EMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250718A				07/18/25 12:09
Cyanide, Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120	0.2	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071646 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA226-11760	
Lab ID: LCS-RA226-11760	3	Laboratory Control Sample				Run: TENNELEC-3_250728A			08/07/25 13:18	
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3	Method Blank				Run: TENNELEC-3_250728A			08/07/25 13:18	
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDUP	3	Sample Duplicate				Run: TENNELEC-3_250728A			08/07/25 15:40	
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0									Batch: RA226-11758	
Lab ID: LCS-RA226-11758	3	Laboratory Control Sample				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		10	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.15	pCi/L							
Lab ID: MB-RA226-11758	3	Method Blank				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		-0.04	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070583-002EDUP	3	Sample Duplicate				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		1.6	pCi/L					8.1	30	
Radium 226 precision (±)		0.35	pCi/L							
Radium 226 MDC		0.26	pCi/L							
- The RER result is 0.26.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071646 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7721R
Lab ID: LCS-228-RA226-11758	3	Laboratory Control Sample				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		7.2	pCi/L		78	70	130			
Radium 228 precision (±)		1.9	pCi/L							
Radium 228 MDC		0.74	pCi/L							
Lab ID: MB-RA226-11758	3	Method Blank				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		0.4	pCi/L							U
Radium 228 precision (±)		0.5	pCi/L							
Radium 228 MDC		0.8	pCi/L							
Lab ID: C25070583-002EDUP	3	Sample Duplicate				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		4.0	pCi/L					11	30	
Radium 228 precision (±)		1.3	pCi/L							
Radium 228 MDC		1.0	pCi/L							

- The RER result is 0.26.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Work Order Receipt Checklist

Linkan Engineering

B25071646

Login completed by: Crystal M. Jones
Date Received: 7/18/2025
Reviewed by: mstephens
Received by: TAR
Reviewed Date: 7/21/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☐	No ☑	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	11.9°C Melted Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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 B25071646

pH < 2.

The sample for hexavalent chromium was received past the 24-hour hold time. Proceed with analysis past hold per phone conversation with Chris Prosper on 07/18/25. CMJ 07/18/25

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Page 1 of 1

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ☒Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ☒ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Bi-Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc. Schwartzwalder Mine

Sampler Name Bryant Acevedo | Sampler Phone 7/238/6169

Sample Origin State Colorado | EPA/State Compliance ☒ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Hexavalent Chromium	Metals, Dissolved	Metals, Total Recoverable	Metals, Potentially Dissolved	Cyanide, WAD	Sulfide, Methylene Blue Colorimetric	Radium 226, Dissolved	Radium 226 + Radium 228		See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/15/25	1430	8	W										●		B25071646
2															●		
3																	
4																	
5																	
6																	
7																	
8																	
9																	

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/15/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print) Tricee Riley	Date/Time 07/16/25 1030	Signature

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4	Chemical Oxygen Demand		H2SO4		1
		HACH 8000	Preparation for COD testing HACH 8000				
Outfall 001A Three Times Weekly TSS (12 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B	Chromium, Hexavalent	24.00 hrs			1
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HNO3		1
		Calculation	Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

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

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate HCl - Hydrochloric Acid H3PO4 - Phosphoric Acid

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

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.

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.

ANALYTICAL SUMMARY REPORT

August 08, 2025

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

Work Order: B25071973 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/23/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071973-001	Outfall 001A	07/22/25 14:20	07/23/25	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 Colorimetric

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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25071973-001
Client Sample ID: Outfall 001A

Report Date: 08/08/25
Collection Date: 07/22/25 14:20
DateReceived: 07/23/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	2	mg/L		1		E300.0	07/23/25 22:27 / caa
Sulfate	12	mg/L		1		E300.0	07/23/25 22:27 / caa
Fluoride	0.02	mg/L	J	0.1		E300.0	07/23/25 22:27 / caa
Cyanide, Weak Acid Dissociable	ND	ug/L		1		Kelada-01	07/24/25 15:06 / fap
Sulfide	ND	mg/L		0.04		A4500-S D	07/24/25 11:23 / pmw
METALS, DISSOLVED							
Chromium, Hexavalent	ND	ug/L		10		A3500-Cr B	07/23/25 11:45 / aem
Iron	20	ug/L	J	20		E200.8	07/25/25 23:21 / jks
Manganese	1	ug/L		1		E200.7	07/24/25 16:30 / enb
METALS, POTENTIALLY DISSOLVED							
Cadmium	ND	ug/L		1		E200.8	07/25/25 23:42 / jks
Copper	0.3	ug/L	JL	0.5		E200.8	07/31/25 22:36 / jks
Nickel	0.1	ug/L	J	5		E200.8	07/25/25 23:42 / jks
Selenium	ND	ug/L		1		E200.8	07/25/25 23:42 / jks
Silver	ND	ug/L	L	0.04		E200.8	07/27/25 12:32 / jks
Zinc	ND	ug/L		10		E200.8	07/25/25 23:42 / jks
METALS, TOTAL RECOVERABLE							
Arsenic	4	ug/L		1		E200.8	07/26/25 12:43 / jks
Chromium	ND	ug/L		5		E200.8	07/26/25 12:43 / jks
Chromium, Trivalent	ND	ug/L		10		Calculation	08/01/25 09:17 / jbm
Iron	30	ug/L		20		E200.8	08/01/25 14:30 / aem
Uranium	10.5	ug/L		0.3		E200.8	07/26/25 12:43 / jks
METALS, TOTAL							
Antimony	ND	ug/L		1		E200.8	07/26/25 12:43 / jks
Boron	180	ug/L		50		E200.7	07/25/25 17:07 / enb
Mercury	ND	ug/L		0.1		E245.1	07/24/25 10:24 / mjb
Thallium	ND	ug/L		0.5		E200.8	07/26/25 12:43 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	0.3	pCi/L				E903.0	08/07/25 15:40 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 15:40 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/07/25 15:40 / eli-ca
RADIONUCLIDES - TOTAL							
Radium 226	0.2	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 226 MDC	0.1	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 228	0.6	pCi/L	U			RA-05	07/31/25 13:53 / eli-ca
Radium 228 precision (±)	0.5	pCi/L				RA-05	07/31/25 13:53 / eli-ca
Radium 228 MDC	0.8	pCi/L				RA-05	07/31/25 13:53 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U			A7500-RA	08/08/25 10:59 / 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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25071973-001
Client Sample ID: Outfall 001A

Report Date: 08/08/25
Collection Date: 07/22/25 14:20
DateReceived: 07/23/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.5	pCi/L				A7500-RA	08/08/25 10:59 / eli-ca
Radium 226 + Radium 228 MDC	0.8	pCi/L				A7500-RA	08/08/25 10:59 / eli-ca

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071973 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11760
Lab ID: LCS-RA226-11760	3	Laboratory Control Sample				Run: TENNELEC-3_250728A				08/07/25 13:18
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3	Method Blank				Run: TENNELEC-3_250728A				08/07/25 13:18
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDUP	3	Sample Duplicate				Run: TENNELEC-3_250728A				08/07/25 15:40
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0										Batch: RA226-11763
Lab ID: LCS-RA226-11763	3	Laboratory Control Sample				Run: TENNELEC-4_250725H				08/07/25 10:20
Radium 226		10	pCi/L		100	70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.13	pCi/L							
Lab ID: MB-RA226-11763	3	Method Blank				Run: TENNELEC-4_250725H				08/07/25 10:20
Radium 226		0.05	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25070615-004ADUP	3	Sample Duplicate				Run: TENNELEC-4_250725H				08/07/25 13:15
Radium 226		2.3	pCi/L					2.4	30	
Radium 226 precision (±)		0.43	pCi/L							
Radium 226 MDC		0.15	pCi/L							
- The RER result is 0.09.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071973 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7724
Lab ID: LCS-228-RA226-11763	3	Laboratory Control Sample				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		8.2	pCi/L		89	70	130			
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		0.86	pCi/L							
Lab ID: MB-RA226-11763	3	Method Blank				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		0.3	pCi/L							U
Radium 228 precision (±)		0.5	pCi/L							
Radium 228 MDC		0.8	pCi/L							
Lab ID: C25070615-004ADUP	3	Sample Duplicate				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		2.5	pCi/L					1.4	30	
Radium 228 precision (±)		0.93	pCi/L							
Radium 228 MDC		0.89	pCi/L							

- The RER result is 0.03.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B									Analytical Run: SPEC3_250723B	
Lab ID: CCV		Continuing Calibration Verification Standard							07/23/25 11:45	
Chromium, Hexavalent		0.0984	mg/L	0.010	98	90	110			
Method: A3500-Cr B									Batch: R446279	
Lab ID: MBLK		Method Blank				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		ND	mg/L	0.003						
Lab ID: LCS		Laboratory Control Sample				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.102	mg/L	0.010	102	90	110			
Lab ID: B25071973-001AMS		Sample Matrix Spike				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120			
Lab ID: B25071973-001AMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120	0.0	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**										Analytical Run: ICP205-B_250724B
Lab ID: **ICV**		Continuing Calibration Verification Standard								07/24/25 14:44
Manganese		2.43	mg/L	0.010	97	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/24/25 16:16
Manganese		2.38	mg/L	0.010	95	90	110			
Method: **E200.7**										Batch: R446447
Lab ID: **MB-5900DIS250724A**		Method Blank				Run: ICP205-B_250724B				07/24/25 14:59
Manganese		ND	mg/L	0.0004						
Lab ID: **LFB-5900DIS250724A**		Laboratory Fortified Blank				Run: ICP205-B_250724B				07/24/25 15:00
Manganese		5.41	mg/L	0.010	108	85	115			
Lab ID: **B25071970-018BMS2**		Sample Matrix Spike				Run: ICP205-B_250724B				07/24/25 16:22
Manganese		5.07	mg/L	0.0010	100	70	130			
Lab ID: **B25071970-018BMSD2**		Sample Matrix Spike Duplicate				Run: ICP205-B_250724B				07/24/25 16:24
Manganese		5.04	mg/L	0.0010	99	70	130	0.5	20	
Method: **E200.7**										Analytical Run: ICP205-B_250725A
Lab ID: **ICV**		Continuing Calibration Verification Standard								07/25/25 14:52
Boron		2.53	mg/L	0.10	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/25/25 16:53
Boron		2.46	mg/L	0.10	99	90	110			
Method: **E200.7**										Batch: 201819
Lab ID: **MB-201819**		Method Blank				Run: ICP205-B_250725A				07/25/25 16:52
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-201819**		Laboratory Control Sample				Run: ICP205-B_250725A				07/25/25 16:56
Boron		1.04	mg/L	0.10	104	85	115			
Lab ID: **B25071949-001CMS3**		Sample Matrix Spike				Run: ICP205-B_250725A				07/25/25 17:01
Boron		1.06	mg/L	0.050	104	70	130			
Lab ID: **B25071949-001CMSD3**		Sample Matrix Spike Duplicate				Run: ICP205-B_250725A				07/25/25 17:02
Boron		1.08	mg/L	0.050	105	70	130	1.4	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Analytical Run: ICPMS207-B_250801A
Lab ID: **QCS**	Initial Calibration Verification Standard									08/01/25 11:59
Iron		0.197	mg/L	0.020	98	90	110			
Lab ID: **CCV**	Continuing Calibration Verification Standard									08/01/25 13:26
Iron		1.28	mg/L	0.020	99	90	110			
Method: **E200.8**										Batch: 201819
Lab ID: **MB-201819**	Method Blank					Run: ICPMS207-B_250801A				08/01/25 14:25
Iron		ND	mg/L	0.004						
Method: **E200.8**										Analytical Run: ICPMS208-B_250731A
Lab ID: **QCS**	Initial Calibration Verification Standard									07/31/25 21:13
Copper		0.0378	mg/L	0.010	95	90	110			
Lab ID: **CCV**	Continuing Calibration Verification Standard									07/31/25 21:19
Copper		0.0481	mg/L	0.010	96	90	110			
Method: **E200.8**										Batch: R446795
Lab ID: **LRB**	Method Blank					Run: ICPMS208-B_250731A				07/31/25 12:12
Copper		ND	mg/L	0.00007						
Lab ID: **LFB**	Laboratory Fortified Blank					Run: ICPMS208-B_250731A				07/31/25 12:30
Copper		0.0454	mg/L	0.010	91	85	115			
Lab ID: **MB-202012**	Method Blank					Run: ICPMS208-B_250731A				07/31/25 22:30
Copper		0.0001	mg/L	0.00007						
Lab ID: **B25072338-001AMS**	Sample Matrix Spike					Run: ICPMS208-B_250731A				08/01/25 01:35
Copper		0.0612	mg/L	0.0050	94	70	130			
Lab ID: **B25072338-001AMSD**	Sample Matrix Spike Duplicate					Run: ICPMS208-B_250731A				08/01/25 01:41
Copper		0.0646	mg/L	0.0050	101	70	130	5.4	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS209-B_250725A		
Lab ID: QCS	11	Initial Calibration Verification Standard								07/25/25 20:27
Antimony		0.0404	mg/L	0.0050	101	90	110			
Arsenic		0.0377	mg/L	0.0050	94	90	110			
Cadmium		0.0211	mg/L	0.0010	105	90	110			
Chromium		0.0378	mg/L	0.010	95	90	110			
Iron		0.213	mg/L	0.020	107	90	110			
Nickel		0.0377	mg/L	0.0050	94	90	110			
Selenium		0.0377	mg/L	0.0050	94	90	110			
Silver		0.0208	mg/L	0.0050	104	90	110			
Thallium		0.0428	mg/L	0.0050	107	90	110			
Uranium		0.0419	mg/L	0.00030	105	90	110			
Zinc		0.0368	mg/L	0.0050	92	90	110			
Lab ID: CCV	11	Continuing Calibration Verification Standard								07/25/25 23:04
Antimony		0.0477	mg/L	0.0050	95	90	110			
Arsenic		0.0474	mg/L	0.0050	95	90	110			
Cadmium		0.0485	mg/L	0.0010	97	90	110			
Chromium		0.0477	mg/L	0.010	95	90	110			
Iron		1.36	mg/L	0.020	104	90	110			
Nickel		0.0466	mg/L	0.0050	93	90	110			
Selenium		0.0475	mg/L	0.0050	95	90	110			
Silver		0.0194	mg/L	0.0050	97	90	110			
Thallium		0.0494	mg/L	0.0050	99	90	110			
Uranium		0.0504	mg/L	0.00030	101	90	110			
Zinc		0.0456	mg/L	0.0050	91	90	110			
Lab ID: QCS	11	Initial Calibration Verification Standard								07/26/25 09:32
Antimony		0.0419	mg/L	0.0050	105	90	110			
Arsenic		0.0380	mg/L	0.0050	95	90	110			
Cadmium		0.0197	mg/L	0.0010	98	90	110			
Chromium		0.0381	mg/L	0.010	95	90	110			
Iron		0.202	mg/L	0.020	101	90	110			
Nickel		0.0382	mg/L	0.0050	96	90	110			
Selenium		0.0382	mg/L	0.0050	95	90	110			
Silver		0.0196	mg/L	0.0050	98	90	110			
Thallium		0.0402	mg/L	0.0050	100	90	110			
Uranium		0.0386	mg/L	0.00030	96	90	110			
Zinc		0.0379	mg/L	0.0050	95	90	110			
Lab ID: CCV	11	Continuing Calibration Verification Standard								07/26/25 12:32
Antimony		0.0536	mg/L	0.0050	107	90	110			
Arsenic		0.0473	mg/L	0.0050	95	90	110			
Cadmium		0.0497	mg/L	0.0010	99	90	110			
Chromium		0.0474	mg/L	0.010	95	90	110			
Iron		1.25	mg/L	0.020	96	90	110			
Nickel		0.0474	mg/L	0.0050	95	90	110			
Selenium		0.0468	mg/L	0.0050	94	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**									Analytical Run: ICPMS209-B_250725A	
Lab ID: **CCV**	11	Continuing Calibration Verification Standard							07/26/25 12:32	
Silver		0.0199	mg/L	0.0050	99	90	110			
Thallium		0.0500	mg/L	0.0050	100	90	110			
Uranium		0.0503	mg/L	0.00030	101	90	110			
Zinc		0.0464	mg/L	0.0050	93	90	110			
Lab ID: **QCS**	11	Initial Calibration Verification Standard							07/27/25 10:05	
Antimony		0.0386	mg/L	0.0050	97	90	110			
Arsenic		0.0377	mg/L	0.0050	94	90	110			
Cadmium		0.0195	mg/L	0.0010	97	90	110			
Chromium		0.0381	mg/L	0.010	95	90	110			
Iron		0.198	mg/L	0.020	99	90	110			
Nickel		0.0384	mg/L	0.0050	96	90	110			
Selenium		0.0376	mg/L	0.0050	94	90	110			
Silver		0.0191	mg/L	0.0050	96	90	110			
Thallium		0.0405	mg/L	0.0050	101	90	110			
Uranium		0.0383	mg/L	0.00030	96	90	110			
Zinc		0.0369	mg/L	0.0050	92	90	110			
Lab ID: **CCV**	11	Continuing Calibration Verification Standard							07/27/25 11:27	
Antimony		0.0472	mg/L	0.0050	94	90	110			
Arsenic		0.0468	mg/L	0.0050	94	90	110			
Cadmium		0.0466	mg/L	0.0010	93	90	110			
Chromium		0.0465	mg/L	0.010	93	90	110			
Iron		1.24	mg/L	0.020	96	90	110			
Nickel		0.0464	mg/L	0.0050	93	90	110			
Selenium		0.0467	mg/L	0.0050	93	90	110			
Silver		0.0185	mg/L	0.0050	92	90	110			
Thallium		0.0468	mg/L	0.0050	94	90	110			
Uranium		0.0479	mg/L	0.00030	96	90	110			
Zinc		0.0449	mg/L	0.0050	90	90	110			
Method: **E200.8**									Batch: 201819	
Lab ID: **MB-201819**	6	Method Blank				Run: ICPMS209-B_250725A			07/26/25 11:48	
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0003						
Iron		0.02	mg/L	0.004						
Thallium		ND	mg/L	0.00008						
Uranium		ND	mg/L	0.00001						
Lab ID: **LCS4-201819**	6	Laboratory Control Sample				Run: ICPMS209-B_250725A			07/26/25 11:53	
Antimony		0.114	mg/L	0.0050	114	85	115			
Arsenic		0.0983	mg/L	0.0010	98	85	115			
Chromium		0.0973	mg/L	0.0010	97	85	115			
Iron		0.513	mg/L	0.010	103	85	115			
Thallium		0.107	mg/L	0.0010	107	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 201819	
Lab ID: LCS4-201819	6	Laboratory Control Sample				Run: ICPMS209-B_250725A			07/26/25 11:53	
Uranium		0.106	mg/L	0.00030	106	85	115			
Lab ID: B25071950-001DMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250725A			07/26/25 12:10	
Antimony		0.107	mg/L	0.0010	107	70	130			
Arsenic		0.101	mg/L	0.0010	95	70	130			
Chromium		0.0943	mg/L	0.0050	94	70	130			
Iron		3.04	mg/L	0.020		70	130			A
Thallium		0.101	mg/L	0.00050	101	70	130			
Uranium		0.103	mg/L	0.00030	102	70	130			
Lab ID: B25071950-001DMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A			07/26/25 12:16	
Antimony		0.106	mg/L	0.0010	106	70	130	0.6	20	
Arsenic		0.103	mg/L	0.0010	97	70	130	2.2	20	
Chromium		0.0959	mg/L	0.0050	96	70	130	1.7	20	
Iron		3.10	mg/L	0.020		70	130	2.0	20	A
Thallium		0.102	mg/L	0.00050	102	70	130	1.0	20	
Uranium		0.103	mg/L	0.00030	103	70	130	0.5	20	
Lab ID: B25072005-001CMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250725A			07/26/25 13:26	
Antimony		0.116	mg/L	0.0010	111	70	130			
Arsenic		0.125	mg/L	0.0010	99	70	130			
Chromium		0.100	mg/L	0.0050	97	70	130			
Iron		3.08	mg/L	0.020		70	130			A
Thallium		0.107	mg/L	0.00050	106	70	130			
Uranium		0.110	mg/L	0.00030	109	70	130			
Lab ID: B25072005-001CMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A			07/26/25 13:32	
Antimony		0.110	mg/L	0.0010	105	70	130	5.1	20	
Arsenic		0.121	mg/L	0.0010	95	70	130	2.8	20	
Chromium		0.0984	mg/L	0.0050	95	70	130	1.7	20	
Iron		3.05	mg/L	0.020		70	130	0.9	20	A
Thallium		0.102	mg/L	0.00050	102	70	130	4.7	20	
Uranium		0.103	mg/L	0.00030	102	70	130	6.7	20	
Method: E200.8									Batch: R446475	
Lab ID: LRB	6	Method Blank				Run: ICPMS209-B_250725A			07/25/25 14:00	
Cadmium		ND	mg/L	9E-6						
Iron		ND	mg/L	0.001						
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	Laboratory Fortified Blank				Run: ICPMS209-B_250725A			07/25/25 14:16	
Cadmium		0.0517	mg/L	0.0010	103	85	115			
Iron		5.28	mg/L	0.020	106	85	115			
Nickel		0.0487	mg/L	0.0050	97	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R446475
Lab ID: LFB	6	Laboratory Fortified Blank				Run: ICPMS209-B_250725A				07/25/25 14:16
Selenium		0.0461	mg/L	0.0050	92	85	115			
Silver		0.0208	mg/L	0.0050	104	85	115			
Zinc		0.0475	mg/L	0.0050	95	85	115			
Lab ID: B25071970-019BMS	6	Sample Matrix Spike				Run: ICPMS209-B_250725A				07/25/25 22:32
Cadmium		0.105	mg/L	0.0010	104	70	130			
Iron		10.2	mg/L	0.020	102	70	130			
Nickel		0.107	mg/L	0.0050	88	70	130			
Selenium		0.0939	mg/L	0.0010	90	70	130			
Silver		0.0414	mg/L	0.0010	103	70	130			
Zinc		0.0897	mg/L	0.010	88	70	130			
Lab ID: B25071970-019BMSD	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A				07/25/25 22:37
Cadmium		0.104	mg/L	0.0010	103	70	130	0.9	20	
Iron		10.4	mg/L	0.020	104	70	130	2.1	20	
Nickel		0.108	mg/L	0.0050	89	70	130	0.5	20	
Selenium		0.0950	mg/L	0.0010	92	70	130	1.2	20	
Silver		0.0411	mg/L	0.0010	103	70	130	0.5	20	
Zinc		0.0920	mg/L	0.010	90	70	130	2.5	20	
Lab ID: MB-201846	6	Method Blank				Run: ICPMS209-B_250725A				07/25/25 23:32
Cadmium		ND	mg/L	7E-6						
Iron		ND	mg/L	0.001						
Nickel		ND	mg/L	0.00006						
Selenium		ND	mg/L	0.00002						
Silver		ND	mg/L	5E-6						
Zinc		ND	mg/L	0.001						
Lab ID: B25071970-019BMS	6	Sample Matrix Spike				Run: ICPMS209-B_250725A				07/27/25 11:38
Cadmium		0.0956	mg/L	0.0010	95	70	130			
Iron		9.29	mg/L	0.020	93	70	130			
Nickel		0.107	mg/L	0.0050	89	70	130			
Selenium		0.0889	mg/L	0.0010	86	70	130			
Silver		0.0380	mg/L	0.0010	95	70	130			
Zinc		0.0874	mg/L	0.010	87	70	130			
Lab ID: B25071970-019BMSD	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A				07/27/25 11:43
Cadmium		0.0955	mg/L	0.0010	95	70	130	0.2	20	
Iron		9.57	mg/L	0.020	96	70	130	3.0	20	
Nickel		0.110	mg/L	0.0050	91	70	130	2.0	20	
Selenium		0.0908	mg/L	0.0010	87	70	130	2.1	20	
Silver		0.0383	mg/L	0.0010	96	70	130	0.8	20	
Zinc		0.0884	mg/L	0.010	88	70	130	1.0	20	
Lab ID: MB-201846	6	Method Blank				Run: ICPMS209-B_250725A				07/27/25 12:21
Cadmium		ND	mg/L	7E-6						
Iron		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Batch: R446475
Lab ID: **MB-201846**	6	Method Blank				Run: ICPMS209-B_250725A				07/27/25 12:21
Nickel		ND	mg/L	0.00006						
Selenium		ND	mg/L	0.00002						
Silver		ND	mg/L	5E-6						
Zinc		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**										Analytical Run: HGCV203-B_250724A
Lab ID: **ICV-201773**		Initial Calibration Verification Standard								07/24/25 09:55
Mercury		0.00213	mg/L	0.00010	106	90	110			
Lab ID: **CCV1**		Continuing Calibration Verification Standard								07/24/25 09:56
Mercury		0.00253	mg/L	0.00010	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/24/25 10:16
Mercury		0.00246	mg/L	0.00010	98	90	110			
Method: **E245.1**										Batch: 201773
Lab ID: **MB-201773**		Method Blank				Run: HGCV203-B_250724A				07/24/25 09:59
Mercury		ND	mg/L	0.00006						
Lab ID: **LCS-201773**		Laboratory Control Sample				Run: HGCV203-B_250724A				07/24/25 10:00
Mercury		0.00205	mg/L	0.00010	102	85	115			
Lab ID: **B25071941-001BMS**		Sample Matrix Spike				Run: HGCV203-B_250724A				07/24/25 10:22
Mercury		0.00203	mg/L	0.00010	102	70	130			
Lab ID: **B25071941-001BMSD**		Sample Matrix Spike Duplicate				Run: HGCV203-B_250724A				07/24/25 10:23
Mercury		0.00202	mg/L	0.00010	101	70	130	0.7	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-S D**										Batch: R446375
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		ND	mg/L	0.01						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.204	mg/L	0.040	93	85	115			
Lab ID: **B25071975-001DMS**		Sample Matrix Spike				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.414	mg/L	0.040	94	70	130			
Lab ID: **B25071975-001DMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.412	mg/L	0.040	94	70	130	0.5	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Analytical Run: IC METROHM 2_250723A
Lab ID: ICV	3	Initial Calibration Verification Standard								07/23/25 15:08
Chloride		26.0	mg/L	1.0	104	90	110			
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.32	mg/L	0.10	105	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard								07/23/25 19:55
Chloride		26.1	mg/L	1.0	104	90	110			
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.24	mg/L	0.10	99	90	110			
Method: E300.0										Batch: R446367
Lab ID: ICB	3	Method Blank				Run: IC METROHM 2_250723A				07/23/25 15:25
Chloride		ND	mg/L	0.1						
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	3	Laboratory Fortified Blank				Run: IC METROHM 2_250723A				07/23/25 15:41
Chloride		24.6	mg/L	1.0	99	90	110			
Sulfate		99.2	mg/L	1.0	99	90	110			
Fluoride		1.28	mg/L	0.10	102	90	110			
Lab ID: B25071948-001AMS	3	Sample Matrix Spike				Run: IC METROHM 2_250723A				07/23/25 20:28
Chloride		29.8	mg/L	1.0	107	90	110			
Sulfate		137	mg/L	1.1	106	90	110			
Fluoride		1.53	mg/L	0.10	103	90	110			
Lab ID: B25071948-001AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 2_250723A				07/23/25 20:45
Chloride		29.9	mg/L	1.0	107	90	110	0.4	20	
Sulfate		138	mg/L	1.1	106	90	110	0.4	20	
Fluoride		1.54	mg/L	0.10	104	90	110	0.5	20	
Lab ID: B25071958-002AMS	3	Sample Matrix Spike				Run: IC METROHM 2_250723A				07/24/25 00:25
Chloride		426	mg/L	2.6	107	90	110			
Sulfate		1590	mg/L	11	106	90	110			
Fluoride		13.9	mg/L	0.13	103	90	110			
Lab ID: B25071958-002AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 2_250723A				07/24/25 00:42
Chloride		426	mg/L	2.6	107	90	110	0.1	20	
Sulfate		1590	mg/L	11	106	90	110	0.2	20	
Fluoride		13.9	mg/L	0.13	103	90	110	0.1	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**									Analytical Run: SFA-202-B_250724A	
Lab ID: **ICV**		Initial Calibration Verification Standard							07/24/25 14:46	
Cyanide, Weak Acid Dissociable		0.00975	mg/L	0.0010	97	90	110			
Method: **Kelada-01**									Batch: R446401	
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250724A			07/24/25 14:47	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250724A			07/24/25 14:49	
Cyanide, Weak Acid Dissociable		0.00992	mg/L	0.0010	99	90	110			
Lab ID: **LCS1-ZnCN**		Laboratory Control Sample				Run: SFA-202-B_250724A			07/24/25 14:51	
Cyanide, Weak Acid Dissociable		0.00986	mg/L	0.0010	99	90	110			
Lab ID: **B25071973-001EMS**		Sample Matrix Spike				Run: SFA-202-B_250724A			07/24/25 15:09	
Cyanide, Weak Acid Dissociable		0.00994	mg/L	0.0010	99	80	120			
Lab ID: **B25071973-001EMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250724A			07/24/25 15:13	
Cyanide, Weak Acid Dissociable		0.0102	mg/L	0.0010	101	80	120	2.1	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25071973

Login completed by: Crystal M. Jones
Date Received: 7/23/2025
Reviewed by: dharris
Received by: ET
Reviewed Date: 7/24/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	3.8°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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 B25071973

pH < 2. CMJ 07/23/25

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ☒Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ☒ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Bi-Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc.	Schwartzwalder Mine
Sampler Name	
Sampler Phone	
Sample Origin State	Colorado
EPA/State Compliance	☒ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Hexavalent Chromium	Metals, Dissolved	Metals, Total Recoverable	Metals, Potentially Dissolved	Cyanide, WAD	Sulfide, Methylene Blue Colorimetric	Radium 226, Dissolved	Radium 226 + Radium 228		See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/22	1420	8	W										●		B2507923
2															●		
3																	
4																	
5																	
6																	
7																	
8																	
9																	

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acosta	7/22/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Elly Thompson	07/23/25 11:10	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	On Ice	Payment Type	Amount	Receipt Number *(cash/check only)*
		Y N C B	Y N	°C	Y N	Y N	CC Cash Check	$	

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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
Outfall 001A Three Times Weekly TSS (12 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B E300.0	Chromium, Hexavalent Anions by Ion Chromatography	24.00 hrs			1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 Calculation E245.1 E200.2 E245.1	Metals by ICP/ICPMS, Total Recoverable Chromium, Total Recoverable Trivalent Mercury, Total Metals Digestion by E200.2 Mercury Digestion by E245.1		HNO3		1

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

Comments

HNO3 - Nitric Acid | H2SO4 - Sulfuric Acid | NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate | HCl - Hydrochloric Acid | H3PO4 - Phosphoric Acid

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

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.

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.

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	Receive 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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25070213-001
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 06/27/25 14:15
DateReceived: 07/02/25
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

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070213-002
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 06/30/25 14:00
DateReceived: 07/02/25
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

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070213-003
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 07/01/25 14:10
DateReceived: 07/02/25
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

Report Definitions:
RL - Analyte Reporting Limit
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: B25070213 **Report Date:** 07/14/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250703A	
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 Control 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 Duplicate					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 Duplicate					Run: BAL #30_250703B			07/03/25 09:34	
Solids, Total Suspended TSS @ 105 C		85.0	mg/L	12				7.4	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

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

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Analytical Run: SPEC3_250703B	
Lab ID: **CCV-201171**	Continuing Calibration Verification Standard								07/03/25 13:58	
Oxygen Demand, Chemical (COD)		49.2	mg/L	5.0	98	90	110			
Method: **E410.4**									Batch: 201171	
Lab ID: **MB-201171**	Method Blank					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: **LCS-201171**	Laboratory Control Sample					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		23.1	mg/L	5.0	95	90	110			
Lab ID: **B25070255-001CMS**	Sample Matrix Spike					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		25.6	mg/L	5.0	105	90	110			
Lab ID: **B25070255-001CMSD**	Sample Matrix Spike Duplicate					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		25.3	mg/L	5.0	104	90	110	1.3	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25070213

Login completed by: Natasha L. Anthony
Date Received: 7/2/2025
Reviewed by: ysmith
Received by: DNH
Reviewed Date: 7/11/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	4.5°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	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

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ▣Email
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	186995

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ▣Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ▣ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc.	Schwartzwalder Mine
Sampler Name	Bryant Acuedo
Sampler Phone	7/238/6169
Sample Origin State	Colorado
EPA/State Compliance	▣ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand								See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	6/27/25	1415	1	W										●		B507023
2	Outfall 001A	6/30/25	1400	1	W										●		
3	Outfall 001A	7/1/25	1410	2	W										●		
4																	
5																	
6																	
7																	
8																	
9																	

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuedo	1510				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Danielle Hays	07/02/25 1015	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	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.

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

BOTTLE ORDER 186995

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

SHIPPED TO: **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

Contact: Brendan Smith
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (775) 389-5582
Project: Schwartzwalder Mine - Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 9/17/2024
VIA: Ground
Quote Used: 17287

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

Comments

HNO3 - Nitric Acid | H2SO4 - Sulfuric Acid | NaOH - Sodium Hydroxide
ZnAc - Zinc Acetate | HCl - Hydrochloric Acid | H3PO4 - Phosphoric Acid

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

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.

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.

ANALYTICAL SUMMARY REPORT

August 28, 2025

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

Work Order: B25070838 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/10/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25070838-001	Outfall 001A	07/04/25 13:30	07/10/25	Aqueous	Solids, Total Dissolved
B25070838-002	Outfall 001A	07/07/25 14:20	07/10/25	Aqueous	Same As Above
B25070838-003	Outfall 001A	07/09/25 14:15	07/10/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved

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.

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25070838

Revised Date: 08/28/25
Report Date: 07/16/25

CASE NARRATIVE

Revised Report 8/28/2025;

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-001
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/04/25 13:30
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	114	mg/L		20		A2540 C	07/10/25 16:45 / etv

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-002
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/07/25 14:20
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	112	mg/L		20		A2540 C	07/10/25 16:45 / etv

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-003
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/09/25 14:15
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	107	mg/L		20		A2540 C	07/10/25 16:45 / etv
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	07/11/25 15:41 / fap

Report Definitions:
RL - Analyte Reporting Limit
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

Revised Date: 08/28/25

Work Order: B25070838

Report Date: 07/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 C**										Batch: TDS20250710D
Lab ID: **MBLK_20250710-8**	Method Blank					Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: **LCS_20250710-5**	Laboratory Control Sample					Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		938	mg/L	25	94	90	110			
Lab ID: **B25070837-001ADUP**	Sample Duplicate					Run: Bal #30_250710F				07/10/25 16:45
Solids, Total Dissolved TDS @ 180 C		4610	mg/L	250				1.3	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Revised Date: 08/28/25

Work Order: B25070838

Report Date: 07/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Analytical Run: SPEC3_250711A	
Lab ID: **CCV-201379**		Continuing Calibration Verification Standard							07/11/25 15:41	
Oxygen Demand, Chemical (COD)		47.0	mg/L	5.0	94	90	110			
Method: **E410.4**									Batch: 201379	
Lab ID: **MB-201379**		Method Blank				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: **LCS-201379**		Laboratory Control Sample				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		22.3	mg/L	5.0	91	90	110			
Lab ID: **B25070819-001HMS**		Sample Matrix Spike				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		29.0	mg/L	5.0	94	90	110			
Lab ID: **B25070819-001HMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		29.3	mg/L	5.0	95	90	110	1.1	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	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

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ▣Email
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	186627

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ▣Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ▣ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc. Schwartzwalder Mine

Sampler Name Bryant Acuna | Sampler Phone 720-238-6166

Sample Origin State Colorado | EPA/State Compliance ▣ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand								See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/4/25	13:30	1	W										●		B25070838
2	Outfall 001A	7/7/25	14:20	1	W										●		
3	Outfall 001A	7/9/25	14:20	2	W										●		
4																	
5																	
6																	
7																	
8																	
9																	

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuna	7/9/1530		Elizabeth Hatton	7/10/25 1115	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	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.

ELI-COC-01/21 v.4

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BOTTLE ORDER 186627

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

SHIPPED TO: **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

Contact: Brendan Smith
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (775) 389-5582
Project: Schwartzwalder Mine - Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 9/3/2024
VIA: Ground
Quote Used: 17287

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

Comments

HNO3 - Nitric Acid | H2SO4 - Sulfuric Acid | NaOH - Sodium Hydroxide
ZnAc - Zinc Acetate | HCl - Hydrochloric Acid | H3PO4 - Phosphoric Acid

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

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.

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.

ANALYTICAL SUMMARY REPORT

July 24, 2025

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

Work Order: B25071601 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/17/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071601-001	Outfall 001A	07/11/25 13:10	07/17/25	Aqueous	Solids, Total Suspended
B25071601-002	Outfall 001A	07/14/25 13:10	07/17/25	Aqueous	Same As Above
B25071601-003	Outfall 001A	07/16/25 14:15	07/17/25	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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25071601-001
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/11/25 13:10
DateReceived: 07/17/25
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	07/18/25 11:10 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071601-002
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/14/25 13:10
DateReceived: 07/17/25
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	07/18/25 11:10 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071601-003
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/16/25 14:15
DateReceived: 07/17/25
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	07/18/25 11:10 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	07/18/25 15:16 / fap

Report Definitions:
RL - Analyte Reporting Limit
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: B25071601 **Report Date:** 07/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D									Batch: TSS20250718A	
Lab ID: MBLK_20250718-3	Method Blank					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20250718-2	Laboratory Control Sample					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		95.0	mg/L	25	95	80	120			
Lab ID: B25071606-004BDUP	Sample Duplicate					Run: BAL #30_250718F			07/18/25 11:10	
Solids, Total Suspended TSS @ 105 C		1.60	mg/L	10				10		J

TSS did not obtain the minimum residue requirement of 2.5 mg residue.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071601 **Report Date:** 07/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Analytical Run: SPEC3_250718B	
Lab ID: CCV-201618		Continuing Calibration Verification Standard							07/18/25 15:16	
Oxygen Demand, Chemical (COD)		50.9	mg/L	5.0	102	90	110			
Method: E410.4									Batch: 201618	
Lab ID: MB-201618		Method Blank				Run: SPEC3_250718B			07/18/25 15:15	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-201618		Laboratory Control Sample				Run: SPEC3_250718B			07/18/25 15:15	
Oxygen Demand, Chemical (COD)		24.4	mg/L	5.0	100	90	110			
Lab ID: B25071601-003BMS		Sample Matrix Spike				Run: SPEC3_250718B			07/18/25 15:16	
Oxygen Demand, Chemical (COD)		26.5	mg/L	5.0	108	90	110			
Lab ID: B25071601-003BMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250718B			07/18/25 15:16	
Oxygen Demand, Chemical (COD)		25.8	mg/L	5.0	106	90	110	2.6	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25071601

Login completed by: Cindy Rohrer
Date Received: 7/17/2025
Reviewed by: dsawyer
Received by: SRG
Reviewed Date: 7/24/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	5.0°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☐ LEVEL IV ☐NELAC ☒ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc.	Schwartzwalder Mine
Sampler Name	Bryant Acevedo
Sampler Phone	7/238/6169
Sample Origin State	Colorado
EPA/State Compliance	☒ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/11/25	1310	1	W			●		B25071601
2	Outfall 001A	7/14/25	1310	1	W			●		
3	Outfall 001A	7/16/25	1415	2	W			●		
4										
5										
6										
7										
8										
9										

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/16/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Staci Griffith	7/17/25 11:05	Staci Griffith

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	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.

BOTTLE ORDER 193741

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4	Chemical Oxygen Demand		H2SO4		1
		HACH 8000	Preparation for COD testing HACH 8000				
Outfall 001A Three Times Weekly TSS (12 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B	Chromium, Hexavalent	24.00 hrs			1
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HNO3		1
		Calculation	Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

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

Comments

HNO3 - Nitric Acid | H2SO4 - Sulfuric Acid | NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate | HCl - Hydrochloric Acid | H3PO4 - Phosphoric Acid

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

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.

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.

ANALYTICAL SUMMARY REPORT

July 30, 2025

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

Work Order: B25072143 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/24/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25072143-001	Outfall 001A	07/18/25 14:20	07/24/25	Aqueous	Solids, Total Suspended
B25072143-002	Outfall 001A	07/21/25 14:25	07/24/25	Aqueous	Same As Above
B25072143-003	Outfall 001A	07/23/25 14:45	07/24/25	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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25072143-001
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/18/25 14:20
DateReceived: 07/24/25
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	07/25/25 10:01 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25072143-002
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/21/25 14:25
DateReceived: 07/24/25
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	07/25/25 10:01 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25072143-003
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/23/25 14:45
DateReceived: 07/24/25
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	07/25/25 10:01 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		5		E410.4	07/25/25 15:51 / fap

Report Definitions:
RL - Analyte Reporting Limit
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: B25072143 **Report Date:** 07/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250725A	
Lab ID: **MBLK_20250725-1**	Method Blank					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250725-1**	Laboratory Control Sample					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		94.0	mg/L	25	94	80	120			
Lab ID: **B25072142-001BDUP**	Sample Duplicate					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		101	mg/L	10				3.0	10	
Lab ID: **B25072181-001ADUP**	Sample Duplicate					Run: BAL #30_250725A			07/25/25 14:18	
Solids, Total Suspended TSS @ 105 C		380	mg/L	50				8.2	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25072143 **Report Date:** 07/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Analytical Run: SPEC3_250725B	
Lab ID: CCV-201860		Continuing Calibration Verification Standard							07/25/25 15:51	
Oxygen Demand, Chemical (COD)		50.2	mg/L	5.0	100	90	110			
Method: E410.4									Batch: 201860	
Lab ID: MB-201860		Method Blank				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-201860		Laboratory Control Sample				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		25.6	mg/L	5.0	105	90	110			
Lab ID: B25072143-003BMS		Sample Matrix Spike				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		28.1	mg/L	5.0	92	90	110			
Lab ID: B25072143-003BMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		29.8	mg/L	5.0	99	90	110	5.8	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25072143

Login completed by: Elizabeth A. Holton
Date Received: 7/24/2025
Reviewed by: lcadreau
Received by: ET
Reviewed Date: 7/29/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	4.2°C Blue Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ▣Email
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ▣Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ▣ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Outfall 001A - Weekly Sample

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

Project Name, PWSID, Permit, etc. Schwartzwalder Mine

Sampler Name Bryant Acevedo | Sampler Phone 7/23 8/6/69

Sample Origin State Colorado | EPA/State Compliance ▣ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/18	1420	1	W			●		B25072143
2	Outfall 001A	7/21	1425	1	W			●		
3	Outfall 001A	7/23	1445	2	W			●		
4										
5										
6										
7										
8										
9										

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/23/1520				
	Relinquished by (print)	Date/Time	Signature	Received by Labratory (print)	Date/Time	Signature
				Elly Thompson	07/24/25 10:45	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
Outfall 001A Three Times Weekly TSS (12 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B E300.0	Chromium, Hexavalent Anions by Ion Chromatography	24.00 hrs			1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 Calculation E245.1 E200.2 E245.1	Metals by ICP/ICPMS, Total Recoverable Chromium, Total Recoverable Trivalent Mercury, Total Metals Digestion by E200.2 Mercury Digestion by E245.1		HNO3		1

BO#: 193741

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

Comments

HNO3 - Nitric Acid | H2SO4 - Sulfuric Acid | NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate | HCl - Hydrochloric Acid | H3PO4 - Phosphoric Acid

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

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.

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.

ANALYTICAL SUMMARY REPORT

August 06, 2025

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

Work Order: B25072562 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/31/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25072562-001	Outfall 001A	07/25/25 14:30	07/31/25	Aqueous	Solids, Total Suspended
B25072562-002	Outfall 001A	07/28/25 14:15	07/31/25	Aqueous	Same As Above
B25072562-003	Outfall 001A	07/30/25 14:30	07/31/25	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 Engineering
Project: Schwartzwalder Mine
Lab ID: B25072562-001
Client Sample ID: Outfall 001A

Report Date: 08/06/25
Collection Date: 07/25/25 14:30
DateReceived: 07/31/25
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	07/31/25 14:46 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25072562-002
Client Sample ID: Outfall 001A

Report Date: 08/06/25
Collection Date: 07/28/25 14:15
DateReceived: 07/31/25
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	07/31/25 14:46 / pjw

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25072562-003
Client Sample ID: Outfall 001A

Report Date: 08/06/25
Collection Date: 07/30/25 14:30
DateReceived: 07/31/25
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	07/31/25 14:46 / pjw
Solids, Total Dissolved TDS @ 180 C	116	mg/L		20		A2540 C	07/31/25 15:31 / etv
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	08/01/25 15:40 / fap

Report Definitions:
RL - Analyte Reporting Limit
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: B25072562 **Report Date:** 08/06/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS20250731A
Lab ID: MBLK_20250731-4		Method Blank				Run: Bal #30_250731B				07/31/25 15:29
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: LCS_20250731-3		Laboratory Control Sample				Run: Bal #30_250731B				07/31/25 15:29
Solids, Total Dissolved TDS @ 180 C		937	mg/L	25	94	90	110			
Lab ID: B25072569-002BDUP		Sample Duplicate				Run: Bal #30_250731B				07/31/25 15:32
Solids, Total Dissolved TDS @ 180 C		297	mg/L	25				2.2	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25072562 **Report Date:** 08/06/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250731A	
Lab ID: **MBLK_20250731-3**		Method Blank				Run: BAL #30_250731A			07/31/25 10:57	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250731-2**		Laboratory Control Sample				Run: BAL #30_250731A			07/31/25 10:57	
Solids, Total Suspended TSS @ 105 C		102	mg/L	25	102	80	120			
Lab ID: **B25072549-001ADUP**		Sample Duplicate				Run: BAL #30_250731A			07/31/25 14:45	
Solids, Total Suspended TSS @ 105 C		1.20	mg/L	10					10	J
TSS did not obtain the minimum residue requirement of 2.5 mg residue.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25072562 **Report Date:** 08/06/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Analytical Run: SPEC3_250801B	
Lab ID: **CCV-202068**	Continuing Calibration Verification Standard								08/01/25 15:40	
Oxygen Demand, Chemical (COD)		48.5	mg/L	5.0	97	90	110			
Method: **E410.4**									Batch: 202068	
Lab ID: **MB-202068**	Method Blank					Run: SPEC3_250801B			08/01/25 15:40	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: **LCS-202068**	Laboratory Control Sample					Run: SPEC3_250801B			08/01/25 15:40	
Oxygen Demand, Chemical (COD)		23.6	mg/L	5.0	97	90	110			
Lab ID: **B25072562-003CMS**	Sample Matrix Spike					Run: SPEC3_250801B			08/01/25 15:40	
Oxygen Demand, Chemical (COD)		26.5	mg/L	5.0	108	90	110			
Lab ID: **B25072562-003CMSD**	Sample Matrix Spike Duplicate					Run: SPEC3_250801B			08/01/25 15:40	
Oxygen Demand, Chemical (COD)		25.3	mg/L	5.0	104	90	110	4.5	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25072562

Login completed by: Crystal M. Jones
Date Received: 7/31/2025
Reviewed by: dharris
Received by: SRG
Reviewed Date: 8/6/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	5.0°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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 indicates three containers for Outfall 001A collected 07/30/25 14:30. One of the three was a sulfuric preserved container. There is no analysis indicated on the chain of custody requiring this container. Analyze for

Work Order Receipt Checklist - Continued

Linkan Engineering B25072562

chemical oxygen demand per phone conversation with Chris Prosper on 07/31/25. CMJ 07/31/25

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

ENERGY LABORATORIES

Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

Account Information (Billing Information)

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193742

Report Information (if different than Account Information)

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☐ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other_____

Comments

Outfall 001A - Weekly Sample
Outfall 001A Quarterly TDS

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

Project Information

+ 193743

Project Name, PWSID, Permit, etc.	Schwartzwalder Mine
Sampler Name	Bryant Acuesta
Sampler Phone	7/238/6169
Sample Origin State	Colorado
EPA/State Compliance	☒ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	Analysis Requested: Total Suspended Solids	Chemical Oxygen Demand	Total Dissolved Solids	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	Outfall 001A	7/25	1430	1	W	X			●		B25072562
2	Outfall 001A	7/28	1415	1	W	X			●		
3	Outfall 001A	7/30	1430	2	W	X			●		
4	Outfall 001A	7/30	1430	1	W			X			
5											
6											
7											
8											
9											

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuesta	7/30/1800	BA			
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Staci Gottlob	7/31/25 10:50	Staci Gottlob

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	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.

BOTTLE ORDER 193741

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine-Outfall 001A Monthly + Weekly

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
Outfall 001A Three Times Weekly TSS (12 Sets)							
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B E300.0	Chromium, Hexavalent Anions by Ion Chromatography	24.00 hrs			1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 Calculation E245.1 E200.2 E245.1	Metals by ICP/ICPMS, Total Recoverable Chromium, Total Recoverable Trivalent Mercury, Total Metals Digestion by E200.2 Mercury Digestion by E245.1		HNO3		1

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

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate HCl - Hydrochloric Acid H3PO4 - Phosphoric Acid

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

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.

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.

Linkan

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

08/22/2025
25US0221

Re: Monthly Surface Water Report for July 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 July 2025, both the SW-AWD and SW-BPL locations were sampled. The sampling date was July 8th. See the pictures from that sampling event below. The field parameters taken are showcased below as well. Attached are the laboratory analytical results.

7/8	Upstream	Sample Location	Downstream
SW-AWD			
SW-BPL			

Field Parameters

Sample Location	SW-AWD	SW-BPL
Temperature (°C)	16.1	17.3
pH (s.u.)	7.95	7.72
Conductivity (uS/cm)	315.8	287.5
ORP (mV)	82	78

Best regards,
Linkan

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

Enclosures:

July 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 31, 2025

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

Work Order: B25070847 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 2 samples for Linkan Engineering on 7/10/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25070847-001	SW-AWD	07/08/25 09:00	07/10/25	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 level Phosphorus, Total Gross Alpha, Gross Beta, Total Radium 226 + Radium 228 Radium 226, Total Radium 228, Total Solids, Total Dissolved Solids, Total Suspended
B25070847-002	SW-BPL	07/08/25 09:15	07/10/25	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.

Brandy A Pelzel
Technical Data Reviewer

Digitally signed by Brandy A. Pelzel
Date: 2025.07.31 16:08:27 -06:00

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25070847

Report Date: 07/31/25

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
Project: Schwartzwalder Mine
Lab ID: B25070847-001
Client Sample ID: SW-AWD

Report Date: 07/31/25
Collection Date: 07/08/25 09:00
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	3	mg/L		2		A2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C	205	mg/L		20		A2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	12	mg/L		1		E300.0	07/11/25 00:39 / caa
Fluoride	0.31	mg/L		0.01		E300.0	07/11/25 00:39 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	07/11/25 12:51 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01		E353.2	07/10/25 17:04 / rs4
Phosphorus, Orthophosphate as P	0.011	mg/L	H	0.002		E365.1	07/10/25 14:59 / taz
Phosphorus, Total as P	ND	mg/L		0.002		E365.1	07/21/25 11:13 / taz
Phosphorus, Total as P	ND	mg/L		0.002		E365.1	07/22/25 13:09 / taz
- The Orthophosphate result is greater than the Total Phosphorus result. Both results have been confirmed by re-analysis.							
METALS, DISSOLVED							
Copper	0.0005	mg/L		0.0005		E200.8	07/11/25 14:07 / jks
Molybdenum	0.0005	mg/L		0.0001		E200.8	07/11/25 14:07 / jks
Silver	ND	mg/L	L	0.00004		E200.8	07/11/25 14:07 / jks
Uranium	0.00128	mg/L		0.00002		E200.8	07/11/25 14:07 / jks
Zinc	0.001	mg/L	JL	0.002		E200.8	07/11/25 14:07 / jks
- The Dissolved Uranium result is greater than the Total Uranium result. Both results have been confirmed by re-analysis.							
METALS, TOTAL RECOVERABLE							
Antimony	0.0007	mg/L		0.0001		E200.8	07/16/25 13:56 / jks
Chromium	ND	mg/L		0.0005		E200.8	07/15/25 14:11 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	07/16/25 13:29 / jks
METALS, TOTAL							
Arsenic	0.0002	mg/L		0.0001		E200.8	07/16/25 13:29 / jks
Boron	0.02	mg/L		0.01		E200.7	07/15/25 14:40 / enb
Molybdenum	0.0006	mg/L		0.0005		E200.8	07/15/25 14:11 / jks
Uranium	0.00115	mg/L		0.00002		E200.8	07/16/25 13:56 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	0.5	pCi/L	U			E900.0	07/25/25 18:29 / eli-ca
Gross Alpha precision (±)	1.2	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Alpha MDC	2.0	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta	2.9	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta precision (±)	1.4	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta MDC	2.3	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Radium 226	0.06	pCi/L	U			E903.0	07/28/25 11:21 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 228	1	pCi/L	U			RA-05	07/22/25 15:39 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit
MCL - Maximum Contaminant Level
QCL - Quality Control Limit
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
J - Estimated value - analyte was present but less than the Reporting Limit (RL)
L -Lowest available reporting limit for the analytical method used and/or volume submitted
U - Not detected

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070847-001
Client Sample ID: SW-AWD

Report Date: 07/31/25
Collection Date: 07/08/25 09:00
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 228 precision (±)	0.7	pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 228 MDC	1.1	pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 226 + Radium 228	0.7	pCi/L	U			A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 precision (±)	0.7	pCi/L				A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 MDC	1.2	pCi/L				A7500-RA	07/29/25 13:32 / eli-ca

Report Definitions:
RL - Analyte Reporting Limit
QCL - Quality Control Limit
U - Not detected
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070847-002
Client Sample ID: SW-BPL

Report Date: 07/31/25
Collection Date: 07/08/25 09:15
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	0.6	mg/L	J	2		A2540 D	07/11/25 09:52 / pjw
Solids, Total Dissolved TDS @ 180 C	166	mg/L		20		A2540 C	07/10/25 16:45 / etv
INORGANICS							
Sulfate	19	mg/L		1		E300.0	07/11/25 00:55 / caa
Fluoride	0.15	mg/L		0.01		E300.0	07/11/25 00:55 / caa
Cyanide, Weak Acid Dissociable	ND	mg/L		0.001		Kelada-01	07/11/25 13:03 / fap
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.02	mg/L		0.01		E353.2	07/10/25 17:05 / rs4
Phosphorus, Orthophosphate as P	0.004	mg/L	H	0.002		E365.1	07/10/25 15:00 / taz
Phosphorus, Total as P	0.003	mg/L		0.002		E365.1	07/15/25 15:26 / taz
METALS, DISSOLVED							
Copper	0.0003	mg/L	JL	0.0005		E200.8	07/11/25 17:01 / jks
Molybdenum	0.0032	mg/L		0.0001		E200.8	07/11/25 14:25 / jks
Silver	ND	mg/L	L	0.00004		E200.8	07/11/25 17:01 / jks
Uranium	0.0512	mg/L		0.00002		E200.8	07/11/25 17:01 / jks
Zinc	0.002	mg/L	JL	0.002		E200.8	07/11/25 17:01 / jks
METALS, TOTAL RECOVERABLE							
Antimony	0.0003	mg/L		0.0001		E200.8	07/16/25 14:01 / jks
Chromium	0.0019	mg/L		0.0005		E200.8	07/15/25 14:41 / jks
Thallium	ND	mg/L	L	0.0002		E200.8	07/16/25 13:34 / jks
METALS, TOTAL							
Arsenic	0.0035	mg/L		0.0001		E200.8	07/16/25 13:34 / jks
Boron	0.10	mg/L		0.01		E200.7	07/15/25 14:48 / enb
Molybdenum	0.0037	mg/L		0.0005		E200.8	07/15/25 14:41 / jks
Uranium	0.0545	mg/L		0.00002		E200.8	07/16/25 13:34 / jks
RADIONUCLIDES - TOTAL							
Gross Alpha	28.2	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Alpha precision (±)	6.7	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Alpha MDC	2.0	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta	10.7	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta precision (±)	1.5	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Gross Beta MDC	2.3	pCi/L				E900.0	07/25/25 18:29 / eli-ca
Radium 226	0.2	pCi/L	U			E903.0	07/28/25 11:21 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	07/28/25 11:21 / eli-ca
Radium 228	0.4	pCi/L	U			RA-05	07/22/25 15:39 / eli-ca
Radium 228 precision (±)	0.6	pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 228 MDC	1	pCi/L				RA-05	07/22/25 15:39 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U			A7500-RA	07/29/25 13:32 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit
MCL - Maximum Contaminant Level
QCL - Quality Control Limit
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
J - Estimated value - analyte was present but less than the Reporting Limit (RL)
L -Lowest available reporting limit for the analytical method used and/or volume submitted
U - Not detected

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070847-002
Client Sample ID: SW-BPL

Report Date: 07/31/25
Collection Date: 07/08/25 09:15
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.6	pCi/L				A7500-RA	07/29/25 13:32 / eli-ca
Radium 226 + Radium 228 MDC	1	pCi/L				A7500-RA	07/29/25 13:32 / eli-ca

Report Definitions:
RL - Analyte Reporting Limit
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: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS20250710D
Lab ID: MBLK_20250710-8		Method Blank				Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: LCS_20250710-5		Laboratory Control Sample				Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		938	mg/L	25	94	90	110			
Lab ID: B25070837-001ADUP		Sample Duplicate				Run: Bal #30_250710F				07/10/25 16:45
Solids, Total Dissolved TDS @ 180 C		4610	mg/L	250				1.3	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**										Batch: TSS20250711A
Lab ID: **MBLK_20250711-4**		Method Blank				Run: BAL #30_250711C				07/11/25 09:52
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250711-2**		Laboratory Control Sample				Run: BAL #30_250711C				07/11/25 09:52
Solids, Total Suspended TSS @ 105 C		109	mg/L	25	109	80	120			
Lab ID: **B25070837-001BDUP**		Sample Duplicate				Run: BAL #30_250711C				07/11/25 09:52
Solids, Total Suspended TSS @ 105 C		42.5	mg/L	12				1.2	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**									Analytical Run: ICP205-B_250715A	
Lab ID: **ICV**		Continuing Calibration Verification Standard							07/15/25 11:58	
Boron		2.54	mg/L	0.10	102	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/15/25 14:27	
Boron		2.49	mg/L	0.10	100	90	110			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/15/25 14:41	
Boron		2.50	mg/L	0.10	100	90	110			
Method: **E200.7**									Batch: 201443	
Lab ID: **MB-201443**		Method Blank				Run: ICP205-B_250715A			07/15/25 14:37	
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-201443**		Laboratory Control Sample				Run: ICP205-B_250715A			07/15/25 14:39	
Boron		1.02	mg/L	0.10	102	85	115			
Lab ID: **B25070847-001EMS3**		Sample Matrix Spike				Run: ICP205-B_250715A			07/15/25 14:46	
Boron		1.04	mg/L	0.050	103	70	130			
Lab ID: **B25070847-001EMSD3**		Sample Matrix Spike Duplicate				Run: ICP205-B_250715A			07/15/25 14:47	
Boron		1.04	mg/L	0.050	102	70	130	0.3	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS208-B_250711A	
Lab ID: QCS	5	Initial Calibration Verification Standard							07/11/25 11:15	
Copper		0.0378	mg/L	0.010	94	90	110			
Molybdenum		0.0394	mg/L	0.0050	98	90	110			
Silver		0.0195	mg/L	0.0050	97	90	110			
Uranium		0.0379	mg/L	0.00030	95	90	110			
Zinc		0.0381	mg/L	0.0050	95	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							07/11/25 12:50	
Copper		0.0456	mg/L	0.010	91	90	110			
Molybdenum		0.0482	mg/L	0.0050	96	90	110			
Silver		0.0188	mg/L	0.0050	94	90	110			
Uranium		0.0491	mg/L	0.00030	98	90	110			
Zinc		0.0468	mg/L	0.0050	93	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							07/11/25 14:13	
Copper		0.0450	mg/L	0.010	90	90	110			
Molybdenum		0.0484	mg/L	0.0050	97	90	110			
Silver		0.0193	mg/L	0.0050	97	90	110			
Uranium		0.0487	mg/L	0.00030	97	90	110			
Zinc		0.0465	mg/L	0.0050	93	90	110			
Lab ID: QCS	5	Initial Calibration Verification Standard							07/11/25 16:01	
Copper		0.0373	mg/L	0.010	93	90	110			
Molybdenum		0.0380	mg/L	0.0050	95	90	110			
Silver		0.0189	mg/L	0.0050	94	90	110			
Uranium		0.0375	mg/L	0.00030	94	90	110			
Zinc		0.0380	mg/L	0.0050	95	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							07/11/25 16:07	
Copper		0.0458	mg/L	0.010	92	90	110			
Molybdenum		0.0490	mg/L	0.0050	98	90	110			
Silver		0.0193	mg/L	0.0050	96	90	110			
Uranium		0.0502	mg/L	0.00030	100	90	110			
Zinc		0.0460	mg/L	0.0050	92	90	110			
Method: E200.8									Batch: R445742	
Lab ID: LRB	5	Method Blank				Run: ICPMS208-B_250711A			07/11/25 11:39	
Copper		ND	mg/L	0.00007						
Molybdenum		ND	mg/L	0.00005						
Silver		ND	mg/L	5E-6						
Uranium		ND	mg/L	0.00002						
Zinc		ND	mg/L	0.0008						
Lab ID: LFB	5	Laboratory Fortified Blank				Run: ICPMS208-B_250711A			07/11/25 11:57	
Copper		0.0444	mg/L	0.010	89	85	115			
Molybdenum		0.0517	mg/L	0.0050	103	85	115			
Silver		0.0196	mg/L	0.0050	98	85	115			
Uranium		0.0518	mg/L	0.00030	104	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R445742
Lab ID: LFB	5	Laboratory Fortified Blank				Run: ICPMS208-B_250711A				07/11/25 11:57
Zinc		0.0444	mg/L	0.0050	89	85	115			
Lab ID: B25070711-001BMS	5	Sample Matrix Spike				Run: ICPMS208-B_250711A				07/11/25 13:14
Copper		0.0929	mg/L	0.0050	86	70	130			
Molybdenum		0.0988	mg/L	0.0010	98	70	130			
Silver		0.0356	mg/L	0.0010	89	70	130			
Uranium		0.101	mg/L	0.00030	98	70	130			
Zinc		0.121	mg/L	0.010	85	70	130			
Lab ID: B25070711-001BMSD	5	Sample Matrix Spike Duplicate				Run: ICPMS208-B_250711A				07/11/25 13:19
Copper		0.0939	mg/L	0.0050	87	70	130	1.1	20	
Molybdenum		0.101	mg/L	0.0010	101	70	130	2.7	20	
Silver		0.0370	mg/L	0.0010	92	70	130	3.9	20	
Uranium		0.106	mg/L	0.00030	103	70	130	5.0	20	
Zinc		0.119	mg/L	0.010	83	70	130	1.7	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS208-B_250714A	
Lab ID: QCS	2	Initial Calibration Verification Standard							07/15/25 08:32	
Chromium		0.0376	mg/L	0.010	94	90	110			
Molybdenum		0.0404	mg/L	0.0050	101	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							07/15/25 12:42	
Chromium		0.0460	mg/L	0.010	92	90	110			
Molybdenum		0.0514	mg/L	0.0050	103	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							07/15/25 14:29	
Chromium		0.0496	mg/L	0.010	99	90	110			
Molybdenum		0.0532	mg/L	0.0050	106	90	110			
Method: E200.8									Batch: 201443	
Lab ID: MB-201443	6	Method Blank				Run: ICPMS208-B_250714A			07/15/25 13:00	
Antimony		ND	mg/L	0.0004						
Arsenic		ND	mg/L	0.0002						
Chromium		ND	mg/L	0.0005						
Molybdenum		ND	mg/L	0.0001						
Thallium		ND	mg/L	0.0003						
Uranium		ND	mg/L	0.00003						
Lab ID: LCS4-201443	6	Laboratory Control Sample				Run: ICPMS208-B_250714A			07/15/25 13:23	
Antimony		0.110	mg/L	0.0050	110	85	115			
Arsenic		0.0950	mg/L	0.0010	95	85	115			
Chromium		0.0906	mg/L	0.0010	91	85	115			
Molybdenum		0.110	mg/L	0.0050	110	85	115			
Thallium		0.104	mg/L	0.0010	104	85	115			
Uranium		0.103	mg/L	0.00030	103	85	115			
Lab ID: B25070847-002EMS4	6	Sample Matrix Spike				Run: ICPMS208-B_250714A			07/15/25 14:47	
Antimony		0.109	mg/L	0.0010	109	70	130			
Arsenic		0.0957	mg/L	0.0010	92	70	130			
Chromium		0.0885	mg/L	0.0050	87	70	130			
Molybdenum		0.113	mg/L	0.0010	109	70	130			
Thallium		0.101	mg/L	0.00050	101	70	130			
Uranium		0.162	mg/L	0.00030	103	70	130			
Lab ID: B25070847-002EMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS208-B_250714A			07/15/25 14:53	
Antimony		0.108	mg/L	0.0010	108	70	130	1.2	20	
Arsenic		0.0931	mg/L	0.0010	90	70	130	2.7	20	
Chromium		0.0859	mg/L	0.0050	84	70	130	3.0	20	
Molybdenum		0.111	mg/L	0.0010	107	70	130	1.6	20	
Thallium		0.101	mg/L	0.00050	101	70	130	0.4	20	
Uranium		0.162	mg/L	0.00030	102	70	130	0.1	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**									Analytical Run: ICPMS209-B_250716A	
Lab ID: **QCS**	4	Initial Calibration Verification Standard								07/16/25 11:07
Antimony		0.0391	mg/L	0.0050	98	90	110			
Arsenic		0.0377	mg/L	0.0050	94	90	110			
Thallium		0.0394	mg/L	0.0050	98	90	110			
Uranium		0.0386	mg/L	0.00030	96	90	110			
Lab ID: **CCV**	4	Continuing Calibration Verification Standard								07/16/25 12:29
Antimony		0.0511	mg/L	0.0050	102	90	110			
Arsenic		0.0495	mg/L	0.0050	99	90	110			
Thallium		0.0487	mg/L	0.0050	97	90	110			
Uranium		0.0495	mg/L	0.00030	99	90	110			
Lab ID: **CCV**	4	Continuing Calibration Verification Standard								07/16/25 13:39
Antimony		0.0500	mg/L	0.0050	100	90	110			
Arsenic		0.0492	mg/L	0.0050	98	90	110			
Thallium		0.0484	mg/L	0.0050	97	90	110			
Uranium		0.0496	mg/L	0.00030	99	90	110			
Method: **E200.8**										Batch: 201443
Lab ID: **MB-201443**	4	Method Blank				Run: ICPMS209-B_250716A				07/16/25 13:12
Antimony		0.00009	mg/L	0.00002						
Arsenic		0.00007	mg/L	0.00003						
Thallium		ND	mg/L	0.00008						
Uranium		0.00004	mg/L	0.00001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E300.0**									Analytical Run: IC METROHM 1_250709A	
Lab ID: **ICV**	2	Initial Calibration Verification Standard							07/09/25 10:43	
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.23	mg/L	0.10	98	90	110			
Lab ID: **CCV**	2	Continuing Calibration Verification Standard							07/10/25 23:00	
Sulfate		109	mg/L	1.0	109	90	110			
Fluoride		1.31	mg/L	0.10	105	90	110			
Method: **E300.0**									Batch: R445604	
Lab ID: **ICB**	2	Method Blank				Run: IC METROHM 1_250709A			07/09/25 10:59	
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: **LFB**	2	Laboratory Fortified Blank				Run: IC METROHM 1_250709A			07/09/25 11:15	
Sulfate		102	mg/L	1.1	102	90	110			
Fluoride		1.24	mg/L	0.10	99	90	110			
Lab ID: **B25070807-001AMS**	2	Sample Matrix Spike				Run: IC METROHM 1_250709A			07/10/25 23:33	
Sulfate		2260	mg/L	11	108	90	110			
Fluoride		13.1	mg/L	0.13	103	90	110			
Lab ID: **B25070807-001AMSD**	2	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250709A			07/10/25 23:49	
Sulfate		2250	mg/L	11	107	90	110	0.5	20	
Fluoride		13.1	mg/L	0.13	102	90	110	0.3	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E353.2**										Analytical Run: FIA203-B_250710C
Lab ID: **ICV**		Initial Calibration Verification Standard								07/10/25 11:43
Nitrogen, Nitrate+Nitrite as N		0.547	mg/L	0.010	97	90	110			
Lab ID: **CCV_20250710-4**		Continuing Calibration Verification Standard								07/10/25 16:57
Nitrogen, Nitrate+Nitrite as N		1.04	mg/L	0.010	104	90	110			
Method: **E353.2**										Batch: R445678
Lab ID: **FilterMBLK**		Method Blank				Run: FIA203-B_250710C				07/10/25 11:44
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: **MBLK_20250709-13**		Method Blank				Run: FIA203-B_250710C				07/10/25 11:46
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: **FilterLFB**		Laboratory Fortified Blank				Run: FIA203-B_250710C				07/10/25 11:47
Nitrogen, Nitrate+Nitrite as N		0.963	mg/L	0.010	96	90	110			
Lab ID: **LFB_20250709-1**		Laboratory Fortified Blank				Run: FIA203-B_250710C				07/10/25 11:48
Nitrogen, Nitrate+Nitrite as N		0.982	mg/L	0.010	98	90	110			
Lab ID: **B25070794-001CMS**		Sample Matrix Spike				Run: FIA203-B_250710C				07/10/25 13:36
Nitrogen, Nitrate+Nitrite as N		1.92	mg/L	0.010	98	90	110			
Lab ID: **B25070794-001CMSD**		Sample Matrix Spike Duplicate				Run: FIA203-B_250710C				07/10/25 13:37
Nitrogen, Nitrate+Nitrite as N		1.93	mg/L	0.010	100	90	110	0.8	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/21/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**									Analytical Run: SFA-202-B_250711A	
Lab ID: **ICV**		Initial Calibration Verification Standard							07/11/25 12:25	
Cyanide, Weak Acid Dissociable		0.00899	mg/L	0.0010	90	90	110			
Method: **Kelada-01**									Batch: R445736	
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250711A			07/11/25 12:27	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250711A			07/11/25 12:29	
Cyanide, Weak Acid Dissociable		0.00916	mg/L	0.0010	92	90	110			
Lab ID: **LCS1-ZnCN**		Laboratory Control Sample				Run: SFA-202-B_250711A			07/11/25 12:31	
Cyanide, Weak Acid Dissociable		0.00987	mg/L	0.0010	99	90	110			
Lab ID: **B25070847-001GMS**		Sample Matrix Spike				Run: SFA-202-B_250711A			07/11/25 12:55	
Cyanide, Weak Acid Dissociable		0.00969	mg/L	0.0010	97	80	120			
Lab ID: **B25070847-001GMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250711A			07/11/25 12:59	
Cyanide, Weak Acid Dissociable		0.00950	mg/L	0.0010	95	80	120	2.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25070847 **Report Date:** 07/22/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E365.1**										Analytical Run: FIA204-B_250710A
Lab ID: **ICV**		Initial Calibration Verification Standard								07/10/25 14:50
Phosphorus, Orthophosphate as P		0.249	mg/L	0.0050	100	90	110			
Method: **E365.1**										Batch: R445681
Lab ID: **ICB**		Method Blank				Run: FIA204-B_250710A				07/10/25 14:52
Phosphorus, Orthophosphate as P		ND	mg/L	0.001						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: FIA204-B_250710A				07/10/25 14:53
Phosphorus, Orthophosphate as P		0.247	mg/L	0.0050	99	90	110			
Lab ID: **B25070819-001EMS**		Sample Matrix Spike				Run: FIA204-B_250710A				07/10/25 14:57
Phosphorus, Orthophosphate as P		0.239	mg/L	0.0050	92	90	110			
Lab ID: **B25070819-001EMSD**		Sample Matrix Spike Duplicate				Run: FIA204-B_250710A				07/10/25 14:58
Phosphorus, Orthophosphate as P		0.251	mg/L	0.0050	97	90	110	4.9	10	
Method: **E365.1**										Analytical Run: SEAL201-B_250715A
Lab ID: **ICV-198785**		Initial Calibration Verification Standard								07/15/25 12:18
Phosphorus, Total as P		0.505	mg/L	0.0050	101	90	110			
Lab ID: **CCV-198785**		Continuing Calibration Verification Standard								07/15/25 15:21
Phosphorus, Total as P		0.514	mg/L	0.0050	103	90	110			
Method: **E365.1**										Batch: 201412
Lab ID: **MB-201412**		Method Blank				Run: SEAL201-B_250715A				07/15/25 15:24
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: **LCS-201412**		Laboratory Control Sample				Run: SEAL201-B_250715A				07/15/25 15:25
Phosphorus, Total as P		0.187	mg/L	0.0050	93	90	110			
Lab ID: **B25070997-001DMS**		Sample Matrix Spike				Run: SEAL201-B_250715A				07/15/25 15:31
Phosphorus, Total as P		0.233	mg/L	0.0020	98	90	110			
Lab ID: **B25070997-001DMSD**		Sample Matrix Spike Duplicate				Run: SEAL201-B_250715A				07/15/25 15:32
Phosphorus, Total as P		0.228	mg/L	0.0020	96	90	110	2.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25070847 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E900.0**										Batch: GrAB-3450
Lab ID: **C25070412-001AMS1**	3	Sample Matrix Spike				Run: TENNELEC-4_250721A				07/25/25 18:29
Gross Beta precision (±)		13	pCi/L							
Gross Beta MDC		2.3	pCi/L							
Lab ID: **C25070412-001AMSD1**	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250721A				07/25/25 18:29
Gross Beta		200	pCi/L		104	70	130	0.4	30	
Gross Beta precision (±)		13	pCi/L							
Gross Beta MDC		2.3	pCi/L							

- The RER result is 0.04.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25070847 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11742
Lab ID: LCS-RA226-11742	3	Laboratory Control Sample				Run: TENNELEC-4_250715I				07/28/25 11:21
Radium 226		11	pCi/L		111	70	130			
Radium 226 precision (±)		1.8	pCi/L							
Radium 226 MDC		0.24	pCi/L							
Lab ID: MB-RA226-11742	3	Method Blank				Run: TENNELEC-4_250715I				07/28/25 11:21
Radium 226		-0.2	pCi/L							U
Radium 226 precision (±)		0.2	pCi/L							
Radium 226 MDC		0.3	pCi/L							
Lab ID: C25060960-002AMS	3	Sample Matrix Spike				Run: TENNELEC-4_250715I				07/28/25 11:21
Radium 226		11	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: C25060960-002AMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250715I				07/28/25 11:21
Radium 226		9.8	pCi/L		98	70	130	6.8	30	
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.24	pCi/L							

- The RER result is 0.30.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25070847 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7709
Lab ID: LCS-228-RA226-11742	3	Laboratory Control Sample				Run: TENNELEC-4_250715G				07/22/25 15:39
Radium 228		9.6	pCi/L		105	70	130			
Radium 228 precision (±)		2.6	pCi/L							
Radium 228 MDC		0.98	pCi/L							
Lab ID: MB-RA226-11742	3	Method Blank				Run: TENNELEC-4_250715G				07/22/25 15:39
Radium 228		0.2	pCi/L							U
Radium 228 precision (±)		0.6	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25060960-002AMS4	3	Sample Matrix Spike				Run: TENNELEC-4_250715G				07/22/25 15:39
Radium 228		8.8	pCi/L		93	70	130			
Radium 228 precision (±)		2.3	pCi/L							
Radium 228 MDC		0.95	pCi/L							
Lab ID: C25060960-002AMSD4	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250715G				07/22/25 15:39
Radium 228		8.2	pCi/L		87	70	130	6.5	30	
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		0.92	pCi/L							

- The RER result is 0.17.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Work Order Receipt Checklist

Linkan Engineering

B25070847

Login completed by: Crystal M. Jones
Date Received: 7/10/2025
Reviewed by: cindy
Received by: ET
Reviewed Date: 7/11/2025
Carrier name: Return-FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	3.9°C Blue Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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 temperature blank temperature in shipping container 1 was 3.9°C and shipping container 2 was 3.0°C.

Work Order Receipt Checklist - Continued

Linkan Engineering B25070847

One of the two shipping containers was received with a custody seal.

The samples for gross alpha analysis were preserved to pH <2 with 2mL nitric acid in the laboratory upon receipt.

The sample container for dissolved metals for SW-BPL was not marked as filtered or non-filtered. This was filtered in the field per phone conversation with Chris Prosper on 07/18/25

The samples for orthophosphate analysis were received past the 48-hour hold time. Proceed with analysis per phone conversation with Chris Prosper on 07/10/25. CMJ 07/10/25

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

Chain of Custody & Analytical Request Record

ENERGY LABORATORIES
Trust our People. Trust our Data.

www.energylab.com

Account Information *(Billing information)*

Company/Name	Linkan
Contact	Chris Prosper
Phone	775-777-8003
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	AP@linkan.com
Receive Invoice	☐Hard Copy ▣Email
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	195244

Report Information *(if different than Account Information)*

Company/Name	Linkan
Contact	Alex Schwiebert
Phone	775-397-6779
Mailing Address	2720 Ruby Vista Dr
City, State, Zip	Elko, NV 89801
Email	see comments
Receive Report	☐Hard Copy ▣Email

Special Report/Formats:
☐ LEVEL IV ☐NELAC ▣ EDD/EDT *(contact laboratory)* ☐ Other_____

Comments

Monthly Consent Order Sampling

Please email Report and EDD results to:
chris.prosper@linkan.com
adam.billin@linkan.com
alex.schwiebert@linkan.com
peter.hays@state.co.us

-SW-BPL White Cap 120 mL sample is in 250 mL sample bottle.

Project Information

Project Name, PWSID, Permit, etc. Schwartzwalder Mine

Sampler Name Bryant Acevedo | Sampler Phone 720-232-6169

Sample Origin State Colorado | EPA/State Compliance ▣ Yes ☐ No

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)

Matrix Codes
A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.
Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification *(Name, Location, Interval, etc.)*	Collection Date	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Low Level Phosphorus	Anions (E300.0)	Total Suspended Solids	Metals, Dissolved	Metals Total	Nitrogen, Nitrate + Nitrite	Cyanide, WAD	Gross Alpha, Gross Beta, Total	Radium 226 + 228	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	SW-AWD	7/8/25	09:00	9	W										●		B25070847
2	SW-BPL	7/8/25	09:15	9	W										●		
3																	
4																	
5																	
6																	
7																	
8																	
9																	

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.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	15:30 / 7/8/25			1115	
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Elly Thompson	07/10/25	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	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.

BOTTLE ORDER 195244

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine - Table 1.1

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 6/3/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Table 1.1 (2 Sets)							
120 mL Plastic	1	E365.1	Low Level Phosphorus, Orthophosphate as P	48.00 hrs		Filter Sample	1
1 Liter Plastic	1	E300.0 A2540 C	Anions by Ion Chromatography Solids, Total Dissolved				1
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8 E200.2	Metals by ICP/ICPMS, Total Metals Digestion by E200.2		HNO3		1
250 mL Plastic	1	E353.2 E365.1 E365.1	Nitrogen, Nitrate + Nitrite E365.1 Digestion, Total P Low level Phosphorus, Total		H2SO4		1
500 mL Amber Plastic	1	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	A7500-RA E903.0 RA-05	Radium 226 + Radium 228 Radium 226, Total Radium 228, Total		HNO3	This now only requires one (1) 15mL nitric acid vial for preservation.	1

Comments

HNO3 - Nitric Acid	H2SO4 - Sulfuric Acid	NaOH - Sodium Hydroxide	**We strongly suggest that the samples are shipped the same day as they are collected.**
ZnAc - Zinc Acetate	HCl - Hydrochloric Acid	H3PO4 - Phosphoric Acid	

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.

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.

Linkan

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

08/22/2025
25US0221

Re: Monthly Mine Pool Results for July 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 July 2025. The sample was taken on July 15th.

Best regards,
Linkan

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

Enclosures:

July 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

August 14, 2025

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

Work Order: B25071629 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071629-001	Mine Pool	07/15/25 9:45	07/18/25	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 226, Total 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.

Technical Data Reviewer

Digitally signed by
Jillian B. Miller
Date: 2025.08.14 08:48:03 -06:00

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25071629

Report Date: 08/14/25

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
Project: Schwartzwalder Mine
Lab ID: B25071629-001
Client Sample ID: Mine Pool

Report Date: 08/14/25
Collection Date: 07/15/25 09:45
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Suspended TSS @ 105 C	31	mg/L		10		A2540 D	07/18/25 13:05 / pjw
Solids, Total Dissolved TDS @ 180 C	4220	mg/L		100		A2540 C	07/18/25 14:51 / etv
INORGANICS							
Alkalinity, Total as CaCO3	920	mg/L		4		A2320 B	07/23/25 11:21 / spb
Bicarbonate as CaCO3	920	mg/L		3		A2320 B	07/23/25 11:21 / spb
Carbonate as CaCO3	ND	mg/L		7		A2320 B	07/23/25 11:21 / spb
Chloride	69	mg/L		5		E300.0	07/19/25 13:17 / caa
Sulfate	2260	mg/L		20		E300.0	07/19/25 13:17 / caa
Fluoride	1.6	mg/L		0.2		E300.0	07/30/25 14:43 / caa
Hydroxide as CaCO3	ND	mg/L		10		A2320 B	07/23/25 11:21 / spb
Cyanide, Weak Acid Dissociable	ND	mg/L		0.005		Kelada-01	07/22/25 13:20 / fap
Oxygen, Dissolved	6.8	mg/L	H	0.1		A4500-O G	07/18/25 15:47 / mbs
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.08	mg/L		0.01		E353.2	07/22/25 13:07 / rs4
Phosphorus, Orthophosphate as P	0.021	mg/L	H	0.002		E365.1	07/18/25 16:46 / taz
Phosphorus, Total as P	0.082	mg/L		0.002		E365.1	07/30/25 11:20 / taz
METALS, DISSOLVED							
Aluminum	0.002	mg/L	J	0.03		E200.8	07/22/25 18:41 / aem
Antimony	0.0002	mg/L	J	0.001		E200.8	07/22/25 18:41 / aem
Arsenic	0.030	mg/L		0.001		E200.8	07/22/25 18:41 / aem
Boron	0.32	mg/L		0.05		E200.7	07/21/25 16:32 / enb
Calcium	370	mg/L		1		E200.7	07/21/25 16:32 / enb
Chromium	ND	mg/L		0.005		E200.8	07/22/25 18:41 / aem
Copper	ND	mg/L		0.005		E200.8	07/22/25 18:41 / aem
Iron	8.7	mg/L		0.2		E200.7	07/21/25 16:32 / enb
Lead	ND	mg/L		0.001		E200.8	07/22/25 18:41 / aem
Magnesium	326	mg/L		1		E200.7	07/21/25 16:32 / enb
Manganese	0.600	mg/L		0.001		E200.8	07/22/25 18:41 / aem
Mercury	ND	mg/L		0.0001		E245.1	07/21/25 16:32 / mjb
Molybdenum	1.41	mg/L		0.02		E200.7	07/21/25 16:32 / enb
Potassium	34	mg/L		2		E200.7	07/21/25 16:32 / enb
Silver	0.00001	mg/L	J	0.001		E200.8	07/22/25 18:41 / aem
Sodium	401	mg/L		1		E200.7	07/21/25 16:32 / enb
Thallium	ND	mg/L		0.0005		E200.8	07/22/25 18:41 / aem
Uranium	25.6	mg/L		0.5		E200.7	07/21/25 16:32 / enb
Zinc	0.007	mg/L	J	0.01		E200.8	07/22/25 18:41 / aem
METALS, TOTAL							
Aluminum	0.004	mg/L	J	0.03		E200.8	07/29/25 01:36 / jks
Antimony	0.00007	mg/L	J	0.001		E200.8	07/25/25 07:20 / aem
Arsenic	0.034	mg/L		0.001		E200.8	07/29/25 01:36 / jks

Report Definitions:

RL - Analyte Reporting Limit
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
Project: Schwartzwalder Mine
Lab ID: B25071629-001
Client Sample ID: Mine Pool

Report Date: 08/14/25
Collection Date: 07/15/25 09:45
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Boron	0.32	mg/L		0.05		E200.7	07/23/25 15:27 / jaw
Chromium	ND	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Copper	ND	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Iron	11.8	mg/L		0.2		E200.7	07/23/25 15:27 / jaw
Lead	ND	mg/L		0.001		E200.8	07/26/25 09:02 / jks
Manganese	0.610	mg/L		0.005		E200.8	07/26/25 09:02 / jks
Mercury	ND	mg/L		0.0001		E245.1	07/21/25 16:33 / mjb
Molybdenum	1.37	mg/L		0.02		E200.7	07/23/25 15:27 / jaw
Silver	ND	mg/L		0.001		E200.8	07/26/25 09:02 / jks
Thallium	ND	mg/L		0.0005		E200.8	07/25/25 07:20 / aem
Zinc	0.003	mg/L	J	0.01		E200.8	07/29/25 01:36 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	98.4	pCi/L				E903.0	08/04/25 18:55 / eli-ca
Radium 226 precision (±)	15.1	pCi/L				E903.0	08/04/25 18:55 / eli-ca
Radium 226 MDC	0.1	pCi/L				E903.0	08/04/25 18:55 / eli-ca
RADIONUCLIDES - TOTAL							
Gross Alpha	26100	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Alpha precision (±)	5640	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Alpha MDC	27.0	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta	6040	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta precision (±)	392	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Gross Beta MDC	14.2	pCi/L				E900.0	08/08/25 04:28 / eli-ca
Radium 226	103	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 226 precision (±)	15.8	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/11/25 10:34 / eli-ca
Radium 228	1.0	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 228 precision (±)	0.7	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 228 MDC	1	pCi/L				RA-05	08/06/25 12:50 / eli-ca
Radium 226 + Radium 228	104	pCi/L				A7500-RA	08/12/25 13:45 / eli-ca
Radium 226 + Radium 228 precision (±)	15.9	pCi/L				A7500-RA	08/12/25 13:45 / eli-ca
Radium 226 + Radium 228 MDC	1	pCi/L				A7500-RA	08/12/25 13:45 / 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)
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071629 **Report Date:** 08/12/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0										Batch: GrAB-3458
Lab ID: Th230-GrAB-3458	3	Laboratory Control Sample				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Alpha		81	pCi/L		81	70	130			
Gross Alpha precision (±)		18	pCi/L							
Gross Alpha MDC		1.4	pCi/L							
Lab ID: Sr90-GrAB-3458	3	Laboratory Control Sample				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Beta		180	pCi/L		96	70	130			
Gross Beta precision (±)		12	pCi/L							
Gross Beta MDC		2.4	pCi/L							
Lab ID: MB-GrAB-3458	6	Method Blank				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Alpha		5	pCi/L							
Gross Alpha precision (±)		2	pCi/L							
Gross Alpha MDC		2	pCi/L							
Gross Beta		-0.2	pCi/L							U
Gross Beta precision (±)		1	pCi/L							
Gross Beta MDC		2	pCi/L							
Lab ID: C25070727-006DMS	3	Sample Matrix Spike				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Alpha		240	pCi/L		86	70	130			
Gross Alpha precision (±)		52	pCi/L							
Gross Alpha MDC		2.6	pCi/L							
Lab ID: C25070727-006DMSD	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Alpha		210	pCi/L		57	70	130	13	30	S
Gross Alpha precision (±)		45	pCi/L							
Gross Alpha MDC		2.7	pCi/L							
- The RER result is 0.43.										
Lab ID: C25070727-007DMS1	3	Sample Matrix Spike				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Beta		210	pCi/L		97	70	130			
Gross Beta precision (±)		14	pCi/L							
Gross Beta MDC		2.3	pCi/L							
Lab ID: C25070727-007DMSD1	3	Sample Matrix Spike Duplicate				Run: TENNELEC-4_250730E				08/07/25 03:24
Gross Beta		210	pCi/L		99	70	130	1.6	30	
Gross Beta precision (±)		14	pCi/L							
Gross Beta MDC		2.3	pCi/L							
- The RER result is 0.17.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071629 **Report Date:** 08/12/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11759
Lab ID: LCS-RA226-11759	3	Laboratory Control Sample				Run: TENNELEC-4_250724E			08/04/25 15:27	
Radium 226		10	pCi/L		100	70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.17	pCi/L							
Lab ID: MB-RA226-11759	3	Method Blank				Run: TENNELEC-4_250724E			08/04/25 15:27	
Radium 226		-0.1	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070613-005DDUP	3	Sample Duplicate				Run: TENNELEC-4_250724E			08/04/25 15:27	
Radium 226		26	pCi/L					1.3	30	
Radium 226 precision (±)		4.0	pCi/L							
Radium 226 MDC		0.24	pCi/L							
- The RER result is 0.06.										
Method: E903.0										Batch: RA226-11770
Lab ID: LCS-RA226-11770	3	Laboratory Control Sample				Run: TENNELEC-4_250730F			08/11/25 10:34	
Radium 226		10	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.16	pCi/L							
Lab ID: MB-RA226-11770	3	Method Blank				Run: TENNELEC-4_250730F			08/11/25 10:34	
Radium 226		0.07	pCi/L							U
Radium 226 precision (±)		0.1	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070838-001ADUP	3	Sample Duplicate				Run: TENNELEC-4_250730F			08/11/25 10:58	
Radium 226		0.035	pCi/L					210	30	UR
Radium 226 precision (±)		0.11	pCi/L							
Radium 226 MDC		0.18	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 0.22.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

R - Relative Percent Difference (RPD) exceeds advisory limit

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071629 **Report Date:** 08/12/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7729
Lab ID: LCS-228-RA226-11770	3	Laboratory Control Sample				Run: TENNELEC-4_250730D				08/06/25 12:50
Radium 228		8.3	pCi/L		91	70	130			
Radium 228 precision (±)		2.3	pCi/L							
Radium 228 MDC		1.0	pCi/L							
Lab ID: MB-RA226-11770	3	Method Blank				Run: TENNELEC-4_250730D				08/06/25 12:50
Radium 228		0.8	pCi/L							U
Radium 228 precision (±)		0.7	pCi/L							
Radium 228 MDC		1	pCi/L							
Lab ID: C25070838-001ADUP	3	Sample Duplicate				Run: TENNELEC-4_250730D				08/06/25 12:50
Radium 228		0.56	pCi/L					400	30	UR
Radium 228 precision (±)		0.61	pCi/L							
Radium 228 MDC		0.97	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 0.92.

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 Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: ALK250723
Lab ID: MBLK		Method Blank				Run: ORIONVERSASTARPRO_250			07/23/25 10:37	
Alkalinity, Total as CaCO3		ND	mg/L	4						
Lab ID: LCS		Laboratory Control Sample				Run: ORIONVERSASTARPRO_250			07/23/25 10:45	
Alkalinity, Total as CaCO3		102	mg/L	4.0	102	90	110			
Lab ID: B25071643-001ADUP	7	Sample Duplicate				Run: ORIONVERSASTARPRO_250			07/23/25 12:24	
Alkalinity, Total as CaCO3		25.0	mg/L	4.0				6.2	10	
Bicarbonate as HCO3		30.5	mg/L	4.0				6.2	10	
Carbonate as CO3		ND	mg/L	4.0					10	
Hydroxide as OH		ND	mg/L	4.0					10	
Bicarbonate as CaCO3		25.0	mg/L	3.3				6.2	10	
Carbonate as CaCO3		ND	mg/L	6.7					10	
Hydroxide as CaCO3		ND	mg/L	12						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS20250718D
Lab ID: MBLK_20250718-6		Method Blank				Run: Bal #30_250718C				07/18/25 14:48
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: LCS_20250718-5		Laboratory Control Sample				Run: Bal #30_250718C				07/18/25 14:49
Solids, Total Dissolved TDS @ 180 C		940	mg/L	25	94	90	110			
Lab ID: B25071649-001ADUP		Sample Duplicate				Run: Bal #30_250718C				07/18/25 14:52
Solids, Total Dissolved TDS @ 180 C		170	mg/L	25				1.1	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250718A	
Lab ID: **MBLK_20250718-3**	Method Blank					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250718-2**	Laboratory Control Sample					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		95.0	mg/L	25	95	80	120			
Lab ID: **B25071606-004BDUP**	Sample Duplicate					Run: BAL #30_250718F			07/18/25 11:10	
Solids, Total Suspended TSS @ 105 C		1.60	mg/L	10					10	J

TSS did not obtain the minimum residue requirement of 2.5 mg residue.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-O G**										Batch: R446079
Lab ID: **B25071629-001BDUP**	Sample Duplicate					Run: DO_METER_250718A			07/18/25 15:49	
Oxygen, Dissolved		7.01	mg/L	0.10				2.6	30	H

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

H - Analysis performed past the method holding time

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E300.0**									Analytical Run: IC METROHM 1_250717A	
Lab ID: **ICV**	3	Initial Calibration Verification Standard							07/17/25 11:39	
Chloride		25.6	mg/L	1.0	103	90	110			
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.24	mg/L	0.10	100	90	110			
Lab ID: **CCV**	3	Continuing Calibration Verification Standard							07/19/25 10:49	
Chloride		26.1	mg/L	1.0	104	90	110			
Sulfate		106	mg/L	1.0	106	90	110			
Fluoride		1.26	mg/L	0.10	101	90	110			
Method: **E300.0**									Batch: R446054	
Lab ID: **ICB**	3	Method Blank				Run: IC METROHM 1_250717A			07/17/25 11:56	
Chloride		ND	mg/L	0.1						
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: **LFB**	3	Laboratory Fortified Blank				Run: IC METROHM 1_250717A			07/17/25 12:12	
Chloride		25.8	mg/L	1.0	103	90	110			
Sulfate		105	mg/L	1.1	105	90	110			
Fluoride		1.28	mg/L	0.10	102	90	110			
Lab ID: **B25071609-005AMS**	3	Sample Matrix Spike				Run: IC METROHM 1_250717A			07/19/25 11:22	
Chloride		51.1	mg/L	1.0	94	90	110			
Sulfate		139	mg/L	1.0	97	90	110			
Fluoride		1.48	mg/L	0.10	96	90	110			
Lab ID: **B25071609-005AMSD**	3	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250717A			07/19/25 11:38	
Chloride		51.8	mg/L	1.0	96	90	110	1.4	20	
Sulfate		141	mg/L	1.0	99	90	110	1.5	20	
Fluoride		1.51	mg/L	0.10	98	90	110	1.7	20	
Lab ID: **B25071643-001AMS**	3	Sample Matrix Spike				Run: IC METROHM 1_250717A			07/19/25 15:12	
Chloride		24.3	mg/L	1.0	94	90	110			
Sulfate		92.5	mg/L	1.1	91	90	110			
Fluoride		1.26	mg/L	0.10	95	90	110			
Lab ID: **B25071643-001AMSD**	3	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250717A			07/19/25 15:29	
Chloride		22.2	mg/L	1.0	85	90	110	9.1	20	S
Sulfate		83.5	mg/L	1.1	82	90	110	10	20	S
Fluoride		1.04	mg/L	0.10	78	90	110	19	20	S

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E353.2**									Analytical Run: FIA203-B_250722A	
Lab ID: **ICV**	Initial Calibration Verification Standard								07/22/25 12:30	
Nitrogen, Nitrate+Nitrite as N		0.547	mg/L	0.010	97	90	110			
Lab ID: **CCV_20250722-1**	Continuing Calibration Verification Standard								07/22/25 12:49	
Nitrogen, Nitrate+Nitrite as N		0.999	mg/L	0.010	100	90	110			
Method: **E353.2**									Batch: R446236	
Lab ID: **FilterMBLK**	Method Blank					Run: FIA203-B_250722A			07/22/25 12:31	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: **MBLK**	Method Blank					Run: FIA203-B_250722A			07/22/25 12:33	
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.009						
Lab ID: **FilterLFB**	Laboratory Fortified Blank					Run: FIA203-B_250722A			07/22/25 12:34	
Nitrogen, Nitrate+Nitrite as N		0.984	mg/L	0.010	98	90	110			
Lab ID: **LFB_20250722-1**	Laboratory Fortified Blank					Run: FIA203-B_250722A			07/22/25 12:35	
Nitrogen, Nitrate+Nitrite as N		0.920	mg/L	0.010	92	90	110			
Lab ID: **B25071637-001BMS**	Sample Matrix Spike					Run: FIA203-B_250722A			07/22/25 13:14	
Nitrogen, Nitrate+Nitrite as N		22.8	mg/L	0.10	100	90	110			
Lab ID: **B25071637-001BMSD**	Sample Matrix Spike Duplicate					Run: FIA203-B_250722A			07/22/25 13:15	
Nitrogen, Nitrate+Nitrite as N		22.5	mg/L	0.10	97	90	110	1.4	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E365.1**									Analytical Run: FIA204-B_250718A	
Lab ID: **ICV**		Initial Calibration Verification Standard							07/18/25 14:34	
Phosphorus, Orthophosphate as P		0.254	mg/L	0.0050	102	90	110			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/18/25 16:40	
Phosphorus, Orthophosphate as P		0.465	mg/L	0.0050	93	90	110			
Method: **E365.1**									Batch: R446073	
Lab ID: **ICB**		Method Blank				Run: FIA204-B_250718A			07/18/25 14:36	
Phosphorus, Orthophosphate as P		ND	mg/L	0.001						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: FIA204-B_250718A			07/18/25 14:37	
Phosphorus, Orthophosphate as P		0.255	mg/L	0.0050	102	90	110			
Lab ID: **B25071629-001AMS**		Sample Matrix Spike				Run: FIA204-B_250718A			07/18/25 14:42	
Phosphorus, Orthophosphate as P		0.238	mg/L	0.0020	88	90	110			S
Lab ID: **B25071629-001AMSD**		Sample Matrix Spike Duplicate				Run: FIA204-B_250718A			07/18/25 14:43	
Phosphorus, Orthophosphate as P		0.243	mg/L	0.0020	90	90	110	2.1	10	
Lab ID: **B25071629-001AMS**		Sample Matrix Spike				Run: FIA204-B_250718A			07/18/25 16:45	
Phosphorus, Orthophosphate as P		0.237	mg/L	0.0020	87	90	110			S
Lab ID: **B25071629-001AMSD**		Sample Matrix Spike Duplicate				Run: FIA204-B_250718A			07/18/25 16:46	
Phosphorus, Orthophosphate as P		0.245	mg/L	0.0020	90	90	110	3.3	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**									Analytical Run: SFA-202-B_250722A	
Lab ID: **ICV**		Initial Calibration Verification Standard							07/22/25 13:01	
Cyanide, Weak Acid Dissociable		0.0929	mg/L	0.0050	93	90	110			
Method: **Kelada-01**									Batch: R446224	
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250722A			07/22/25 13:02	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.002						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250722A			07/22/25 13:04	
Cyanide, Weak Acid Dissociable		0.0981	mg/L	0.0050	98	90	110			
Lab ID: **LCS1-ZnCN2**		Laboratory Control Sample				Run: SFA-202-B_250722A			07/22/25 13:06	
Cyanide, Weak Acid Dissociable		0.0935	mg/L	0.0050	93	90	110			
Lab ID: **B25071629-001GMS**		Sample Matrix Spike				Run: SFA-202-B_250722A			07/22/25 13:24	
Cyanide, Weak Acid Dissociable		0.0980	mg/L	0.0050	98	80	120			
Lab ID: **B25071629-001GMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250722A			07/22/25 13:28	
Cyanide, Weak Acid Dissociable		0.100	mg/L	0.0050	100	80	120	2.0	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Analytical Run: ICP205-B_250721A
Lab ID: ICV	8	Continuing Calibration Verification Standard								07/21/25 15:11
Boron		2.55	mg/L	0.10	102	95	105			
Calcium		24.6	mg/L	1.0	98	95	105			
Iron		2.46	mg/L	0.040	98	95	105			
Magnesium		24.8	mg/L	1.0	99	95	105			
Molybdenum		2.56	mg/L	0.10	102	95	105			
Potassium		24.7	mg/L	1.0	99	95	105			
Sodium		24.9	mg/L	1.0	100	95	105			
Uranium		2.46	mg/L	0.10	99	95	105			
Lab ID: CCV	8	Continuing Calibration Verification Standard								07/21/25 16:28
Boron		2.51	mg/L	0.10	100	90	110			
Calcium		24.0	mg/L	1.0	96	90	110			
Iron		2.43	mg/L	0.040	97	90	110			
Magnesium		24.7	mg/L	1.0	99	90	110			
Molybdenum		2.54	mg/L	0.10	101	90	110			
Potassium		24.5	mg/L	1.0	98	90	110			
Sodium		24.7	mg/L	1.0	99	90	110			
Uranium		2.43	mg/L	0.10	97	90	110			
Method: E200.7										Batch: R446190
Lab ID: MB-5900DIS250718A	8	Method Blank				Run: ICP205-B_250721A				07/21/25 15:25
Boron		ND	mg/L	0.006						
Calcium		ND	mg/L	0.06						
Iron		0.02	mg/L	0.01						
Magnesium		ND	mg/L	0.05						
Molybdenum		ND	mg/L	0.003						
Potassium		ND	mg/L	0.1						
Sodium		ND	mg/L	0.05						
Uranium		ND	mg/L	0.04						
Lab ID: LFB-5900DIS250718A	8	Laboratory Fortified Blank				Run: ICP205-B_250721A				07/21/25 15:27
Boron		1.04	mg/L	0.10	104	85	115			
Calcium		50.1	mg/L	1.0	100	85	115			
Iron		5.04	mg/L	0.041	101	85	115			
Magnesium		51.7	mg/L	1.0	103	85	115			
Molybdenum		1.08	mg/L	0.10	108	85	115			
Potassium		51.6	mg/L	1.0	103	85	115			
Sodium		51.7	mg/L	1.0	103	85	115			
Uranium		1.04	mg/L	0.10	104	85	115			
Lab ID: B25071661-001BMS2	8	Sample Matrix Spike				Run: ICP205-B_250721A				07/21/25 16:36
Boron		1.17	mg/L	0.050	109	70	130			
Calcium		64.4	mg/L	1.0	104	70	130			
Iron		5.19	mg/L	0.041	103	70	130			
Magnesium		61.4	mg/L	1.0	103	70	130			
Molybdenum		1.08	mg/L	0.0052	108	70	130			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R446190
Lab ID: B25071661-001BMS2	8	Sample Matrix Spike				Run: ICP205-B_250721A				07/21/25 16:36
Potassium		70.2	mg/L	1.0	103	70	130			
Sodium		174	mg/L	1.0	99	70	130			
Uranium		1.01	mg/L	0.10	101	70	130			
Lab ID: B25071661-001BMSD2	8	Sample Matrix Spike Duplicate				Run: ICP205-B_250721A				07/21/25 16:37
Boron		1.21	mg/L	0.050	113	70	130	3.4	20	
Calcium		66.2	mg/L	1.0	107	70	130	2.7	20	
Iron		5.36	mg/L	0.041	106	70	130	3.2	20	
Magnesium		63.5	mg/L	1.0	108	70	130	3.3	20	
Molybdenum		1.11	mg/L	0.0052	111	70	130	2.3	20	
Potassium		72.3	mg/L	1.0	107	70	130	2.9	20	
Sodium		176	mg/L	1.0	102	70	130	1.1	20	
Uranium		1.05	mg/L	0.10	105	70	130	3.6	20	
Method: E200.7										Analytical Run: ICP205-B_250723A
Lab ID: ICV	3	Continuing Calibration Verification Standard								07/23/25 13:20
Boron		2.49	mg/L	0.10	100	95	105			
Iron		2.44	mg/L	0.040	98	95	105			
Molybdenum		2.51	mg/L	0.10	100	95	105			
Lab ID: CCV	3	Continuing Calibration Verification Standard								07/23/25 15:21
Boron		2.50	mg/L	0.10	100	90	110			
Iron		2.46	mg/L	0.040	98	90	110			
Molybdenum		2.51	mg/L	0.10	100	90	110			
Method: E200.7										Batch: 201686
Lab ID: MB-201686	3	Method Blank				Run: ICP205-B_250723A				07/23/25 15:16
Boron		ND	mg/L	0.008						
Iron		ND	mg/L	0.02						
Molybdenum		ND	mg/L	0.003						
Lab ID: LCS3-201686	3	Laboratory Control Sample				Run: ICP205-B_250723A				07/23/25 15:17
Boron		1.04	mg/L	0.050	104	85	115			
Iron		5.15	mg/L	0.040	103	85	115			
Molybdenum		1.05	mg/L	0.0050	105	85	115			
Lab ID: B25071614-001BMS3	3	Sample Matrix Spike				Run: ICP205-B_250723A				07/23/25 15:25
Boron		2.13	mg/L	0.10	106	70	130			
Iron		10.4	mg/L	0.40	104	70	130			
Molybdenum		2.13	mg/L	0.050	106	70	130			
Lab ID: B25071614-001BMSD3	3	Sample Matrix Spike Duplicate				Run: ICP205-B_250723A				07/23/25 15:26
Boron		2.14	mg/L	0.10	107	70	130	0.8	20	
Iron		10.5	mg/L	0.40	105	70	130	0.9	20	
Molybdenum		2.15	mg/L	0.050	108	70	130	1.1	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS207-B_250721A	
Lab ID: QCS	10	Initial Calibration Verification Standard							07/22/25 18:11	
Aluminum		0.192	mg/L	0.020	96	90	110			
Antimony		0.0392	mg/L	0.0050	98	90	110			
Arsenic		0.0382	mg/L	0.0050	95	90	110			
Chromium		0.0375	mg/L	0.010	94	90	110			
Copper		0.0378	mg/L	0.010	95	90	110			
Lead		0.0367	mg/L	0.0010	92	90	110			
Manganese		0.191	mg/L	0.0050	96	90	110			
Silver		0.0188	mg/L	0.0050	94	90	110			
Thallium		0.0399	mg/L	0.0050	100	90	110			
Zinc		0.0378	mg/L	0.0050	95	90	110			
Lab ID: CCV	10	Continuing Calibration Verification Standard							07/22/25 18:17	
Aluminum		0.0485	mg/L	0.020	97	90	110			
Antimony		0.0495	mg/L	0.0050	99	90	110			
Arsenic		0.0490	mg/L	0.0050	98	90	110			
Chromium		0.0483	mg/L	0.010	97	90	110			
Copper		0.0472	mg/L	0.010	94	90	110			
Lead		0.0485	mg/L	0.0010	97	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Silver		0.0196	mg/L	0.0050	98	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: R446131	
Lab ID: LRB	10	Method Blank				Run: ICPMS207-B_250721A			07/21/25 11:33	
Aluminum		ND	mg/L	0.0006						
Antimony		ND	mg/L	0.00004						
Arsenic		ND	mg/L	0.00007						
Chromium		ND	mg/L	0.0001						
Copper		ND	mg/L	0.00005						
Lead		ND	mg/L	0.00003						
Manganese		ND	mg/L	0.00003						
Silver		ND	mg/L	3E-6						
Thallium		ND	mg/L	0.0002						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	10	Laboratory Fortified Blank				Run: ICPMS207-B_250721A			07/21/25 11:57	
Aluminum		0.0533	mg/L	0.020	107	85	115			
Antimony		0.0507	mg/L	0.0050	101	85	115			
Arsenic		0.0510	mg/L	0.0050	102	85	115			
Chromium		0.0503	mg/L	0.010	101	85	115			
Copper		0.0478	mg/L	0.010	96	85	115			
Lead		0.0513	mg/L	0.0010	103	85	115			
Manganese		0.0516	mg/L	0.0050	103	85	115			
Silver		0.0193	mg/L	0.0050	96	85	115			
Thallium		0.0523	mg/L	0.0050	105	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R446131
Lab ID: LFB	10	Laboratory Fortified Blank				Run: ICPMS207-B_250721A				07/21/25 11:57
Zinc		0.0502	mg/L	0.0050	100	85	115			
Lab ID: B25071646-001BMS	10	Sample Matrix Spike				Run: ICPMS207-B_250721A				07/22/25 18:58
Aluminum		0.0508	mg/L	0.030	100	70	130			
Antimony		0.0498	mg/L	0.0010	100	70	130			
Arsenic		0.0552	mg/L	0.0010	99	70	130			
Chromium		0.0480	mg/L	0.0050	96	70	130			
Copper		0.0456	mg/L	0.0050	91	70	130			
Lead		0.0488	mg/L	0.0010	98	70	130			
Manganese		0.0496	mg/L	0.0010	97	70	130			
Silver		0.0190	mg/L	0.0010	95	70	130			
Thallium		0.0419	mg/L	0.00050	84	70	130			
Zinc		0.0473	mg/L	0.010	91	70	130			
Lab ID: B25071646-001BMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250721A				07/22/25 19:04
Aluminum		0.0521	mg/L	0.030	103	70	130	2.5	20	
Antimony		0.0513	mg/L	0.0010	103	70	130	3.1	20	
Arsenic		0.0568	mg/L	0.0010	103	70	130	2.9	20	
Chromium		0.0492	mg/L	0.0050	98	70	130	2.4	20	
Copper		0.0472	mg/L	0.0050	94	70	130	3.5	20	
Lead		0.0493	mg/L	0.0010	99	70	130	0.9	20	
Manganese		0.0514	mg/L	0.0010	101	70	130	3.6	20	
Silver		0.0197	mg/L	0.0010	98	70	130	3.3	20	
Thallium		0.0440	mg/L	0.00050	88	70	130	4.9	20	
Zinc		0.0486	mg/L	0.010	94	70	130	2.7	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS208-B_250725A	
Lab ID: QCS	5	Initial Calibration Verification Standard							07/26/25 03:42	
Chromium		0.0380	mg/L	0.010	95	90	110			
Copper		0.0373	mg/L	0.010	93	90	110			
Lead		0.0380	mg/L	0.0010	95	90	110			
Manganese		0.190	mg/L	0.0050	95	90	110			
Silver		0.0189	mg/L	0.0050	94	90	110			
Lab ID: CCV	5	Continuing Calibration Verification Standard							07/26/25 08:03	
Chromium		0.0471	mg/L	0.010	94	90	110			
Copper		0.0464	mg/L	0.010	93	90	110			
Lead		0.0487	mg/L	0.0010	97	90	110			
Manganese		0.0466	mg/L	0.0050	93	90	110			
Silver		0.0191	mg/L	0.0050	95	90	110			
Method: E200.8									Batch: 201686	
Lab ID: MB-201686	5	Method Blank				Run: ICPMS208-B_250725A			07/26/25 08:26	
Chromium		ND	mg/L	0.0005						
Copper		ND	mg/L	0.00009						
Lead		ND	mg/L	0.00004						
Manganese		0.00009	mg/L	0.00009						
Silver		ND	mg/L	5E-6						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS209-B_250723A	
Lab ID: QCS	2	Initial Calibration Verification Standard							07/25/25 02:32	
Antimony		0.0402	mg/L	0.0050	101	90	110			
Thallium		0.0367	mg/L	0.0050	92	90	110			
Lab ID: CCV	2	Continuing Calibration Verification Standard							07/25/25 06:53	
Antimony		0.0500	mg/L	0.0050	100	90	110			
Thallium		0.0464	mg/L	0.0050	93	90	110			
Method: E200.8									Batch: 201686	
Lab ID: MB-201686	10	Method Blank				Run: ICPMS209-B_250723A			07/25/25 03:10	
Aluminum		ND	mg/L	0.002						
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0003						
Copper		ND	mg/L	0.0001						
Lead		ND	mg/L	0.00002						
Manganese		ND	mg/L	0.00007						
Silver		ND	mg/L	5E-6						
Thallium		ND	mg/L	0.00008						
Zinc		0.001	mg/L	0.001						
Lab ID: LCS4-201686	10	Laboratory Control Sample				Run: ICPMS209-B_250723A			07/25/25 03:15	
Aluminum		0.453	mg/L	0.010	91	85	115			
Antimony		0.0985	mg/L	0.0050	99	85	115			
Arsenic		0.0912	mg/L	0.0010	91	85	115			
Chromium		0.0900	mg/L	0.0010	90	85	115			
Copper		0.0898	mg/L	0.0010	90	85	115			
Lead		0.0909	mg/L	0.0010	91	85	115			
Manganese		0.450	mg/L	0.0010	90	85	115			
Silver		0.00912	mg/L	0.0050	91	85	115			
Thallium		0.0947	mg/L	0.0010	95	85	115			
Zinc		0.0910	mg/L	0.0020	91	85	115			
Lab ID: B25071642-001DMS4	10	Sample Matrix Spike				Run: ICPMS209-B_250723A			07/25/25 07:36	
Aluminum		0.725	mg/L	0.030	103	70	130			
Antimony		0.103	mg/L	0.0010	103	70	130			
Arsenic		0.0967	mg/L	0.0010	91	70	130			
Chromium		0.0887	mg/L	0.0050	88	70	130			
Copper		0.0889	mg/L	0.0050	88	70	130			
Lead		0.0932	mg/L	0.0010	93	70	130			
Manganese		0.496	mg/L	0.0010	87	70	130			
Silver		0.00921	mg/L	0.0010	92	70	130			
Thallium		0.0968	mg/L	0.00050	97	70	130			
Zinc		0.0886	mg/L	0.010	86	70	130			
Lab ID: B25071642-001DMSD4	10	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A			07/25/25 07:42	
Aluminum		0.674	mg/L	0.030	93	70	130	7.3	20	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: 201686
Lab ID: B25071642-001DMSD4	10	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A				07/25/25 07:42
Antimony		0.0994	mg/L	0.0010	99	70	130	3.4	20	
Arsenic		0.0978	mg/L	0.0010	92	70	130	1.1	20	
Chromium		0.0895	mg/L	0.0050	89	70	130	0.9	20	
Copper		0.0899	mg/L	0.0050	89	70	130	1.1	20	
Lead		0.0908	mg/L	0.0010	91	70	130	2.6	20	
Manganese		0.501	mg/L	0.0010	88	70	130	1.1	20	
Silver		0.00895	mg/L	0.0010	89	70	130	2.8	20	
Thallium		0.0938	mg/L	0.00050	94	70	130	3.2	20	
Zinc		0.0896	mg/L	0.010	87	70	130	1.1	20	
Method: E200.8										Analytical Run: ICPMS209-B_250728A
Lab ID: QCS	3	Initial Calibration Verification Standard								07/29/25 00:14
Aluminum		0.196	mg/L	0.020	98	90	110			
Arsenic		0.0382	mg/L	0.0050	96	90	110			
Zinc		0.0384	mg/L	0.0050	96	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard								07/29/25 00:19
Aluminum		0.0473	mg/L	0.020	95	90	110			
Arsenic		0.0498	mg/L	0.0050	99	90	110			
Zinc		0.0494	mg/L	0.0050	99	90	110			
Method: E200.8										Batch: 201686
Lab ID: MB-201686	3	Method Blank				Run: ICPMS209-B_250728A				07/29/25 01:30
Aluminum		ND	mg/L	0.002						
Arsenic		ND	mg/L	0.00003						
Zinc		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**									Analytical Run: HGCV203-B_250721A	
Lab ID: **ICV-201625**		Initial Calibration Verification Standard							07/21/25 15:09	
Mercury		0.00211	mg/L	0.00010	106	90	110			
Lab ID: **CCV1**		Continuing Calibration Verification Standard							07/21/25 15:10	
Mercury		0.00253	mg/L	0.00010	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/21/25 16:20	
Mercury		0.00252	mg/L	0.00010	101	90	110			
Method: **E245.1**									Batch: 201655	
Lab ID: **MB-201655**		Method Blank				Run: HGCV203-B_250721A			07/21/25 16:12	
Mercury		ND	mg/L	0.00006						
Lab ID: **LCS-201655**		Laboratory Control Sample				Run: HGCV203-B_250721A			07/21/25 16:13	
Mercury		0.00212	mg/L	0.00010	106	85	115			
Lab ID: **B25071652-003BMS**		Sample Matrix Spike				Run: HGCV203-B_250721A			07/21/25 16:45	
Mercury		0.00212	mg/L	0.00010	106	70	130			
Lab ID: **B25071652-003BMSD**		Sample Matrix Spike Duplicate				Run: HGCV203-B_250721A			07/21/25 16:46	
Mercury		0.00210	mg/L	0.00010	105	70	130	0.8	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071629 **Report Date:** 08/01/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1									Analytical Run: SEAL201-B_250730A	
Lab ID: ICV-198785		Initial Calibration Verification Standard							07/30/25 11:09	
Phosphorus, Total as P		0.457	mg/L	0.0050	91	90	110			
Method: E365.1									Batch: 201855	
Lab ID: MB-201855		Method Blank				Run: SEAL201-B_250730A			07/30/25 11:12	
Phosphorus, Total as P		ND	mg/L	0.002						
Lab ID: LCS-201855		Laboratory Control Sample				Run: SEAL201-B_250730A			07/30/25 11:13	
Phosphorus, Total as P		0.213	mg/L	0.0020	106	90	110			
Lab ID: B25071606-002FMS		Sample Matrix Spike				Run: SEAL201-B_250730A			07/30/25 11:16	
Phosphorus, Total as P		0.170	mg/L	0.0020	85	90	110			S
Lab ID: B25071606-002FMSD		Sample Matrix Spike Duplicate				Run: SEAL201-B_250730A			07/30/25 11:17	
Phosphorus, Total as P		0.167	mg/L	0.0020	84	90	110	2.0	10	S

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

S - Spike recovery outside of advisory limits

Work Order Receipt Checklist

Linkan Engineering

B25071629

Login completed by: Laura M. Barlage
Date Received: 7/18/2025
Reviewed by: dharris
Received by: ET
Reviewed Date: 7/23/2025
Carrier name: FedEx NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when 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 holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☐	No ☑	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	14.9°C Melted Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	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 orthophosphate was received past the 48 hour holding time. Proceed past hold per email from Adam Billin. LSC 08/08/25

Laboratory Certifications and Accreditations

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

	Agency	Number
Billings, MT	Alaska	17-023
	California	3087
	Colorado	MT00005
	Department of Defense (DoD)/ISO17025	ADE-2588
	Florida (Primary NELAP)	E87668
	Idaho	MT00005
	Louisiana	05079
	Montana	CERT0044
	Nebraska	NE-OS-13-04
	Nevada	NV-C24-00250
	North Dakota	R-007
	National Radon Proficiency	109383-RMP
	Oregon	4184
	South Dakota	ARSD 74:04:07
	Texas	TX-C24-00302
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00170
	Washington	C1039
Casper, WY	Alaska	20-006
	California	3021
	Colorado	WY00002
	Florida (Primary NELAP)	E87641
	Idaho	WY00002
	Louisiana	05083
	Montana	CERT0002
	Nebraska	NE-OS-08-04
	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
Helena, MT	Colorado	MT00945
	Montana	CERT0079
	Nevada	NV-C24-00119
	US EPA Region VIII	Reciprocal
	USDA Soil Permit	P330-20-00090

BOTTLE ORDER 193747

SHIPPED TO: **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

Contact: Chris Prosper
400 Corporate Circle, Suite H
Golden CO 80401
Phone: (719) 247-0564
Project: Schwartzwalder Mine - Table 2B

Order Created by: Yvonna E. Smith
Shipped From: Billings, MT
Ship Date: 4/17/2025
VIA: Ground
Quote Used: 17287

Bottle Size/Type	Bottles Per Samp	Method	Tests	Critical Hold Time	Preservative	Notes	Num of Samp
Table 2B Quarterly (4 Sets)							
120 mL Plastic	1	E365.1	Low Level Phosphorus, Orthophosphate as P	48.00 hrs		Filter Sample	1
1 Liter Plastic	1	A2320 B	Alkalinity to pH 4.5				1
		A4500-O G	Oxygen, Dissolved	0.25 hrs			
		E300.0	Anions by Ion Chromatography				
		A2540 C	Solids, Total Dissolved				
1 Liter Plastic Wide Mouth	1	A2540 D	Solids, Total Suspended			Fill to the neck of the container.	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
		E245.1	Mercury, Dissolved				
		E245.1	Mercury Digestion by E245.1				
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total		HNO3		1
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

250 mL Plastic	1	E353.2 E365.1 E365.1	Nitrogen, Nitrate + Nitrite E365.1 Digestion, Total P Low level Phosphorus, Total		H2SO4		1
500 mL Amber Plastic	1	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		HNO3	Filter before preservation	1
1 Gallon Plastic	1	A7500-RA E903.0 RA-05	Radium 226 + Radium 228 Radium 226, Total Radium 228, Total		HNO3	This now only requires one (1) 15mL nitric acid vial for preservation.	1

Comments

HNO3 - Nitric Acid H2SO4 - Sulfuric Acid NaOH - Sodium Hydroxide

ZnAc - Zinc Acetate HCl - Hydrochloric Acid H3PO4 - Phosphoric Acid

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

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.

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.

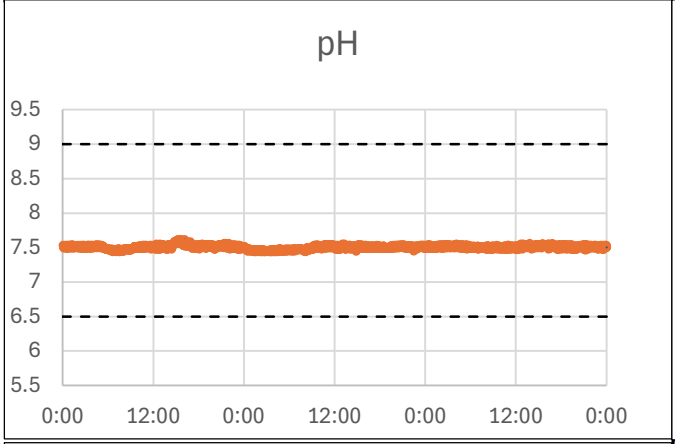
ATTACHMENT 2

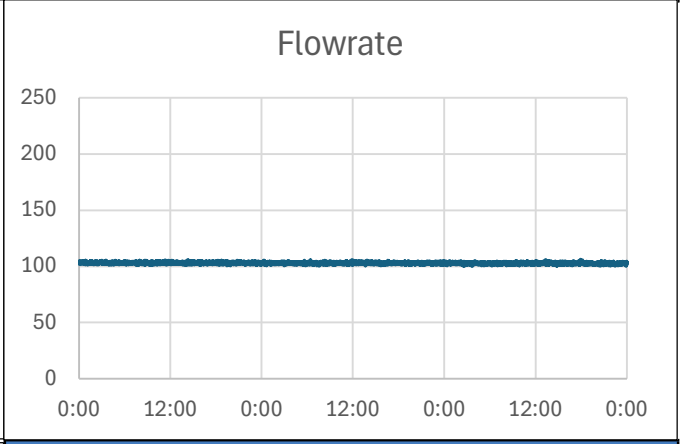
DAILY REPORTS

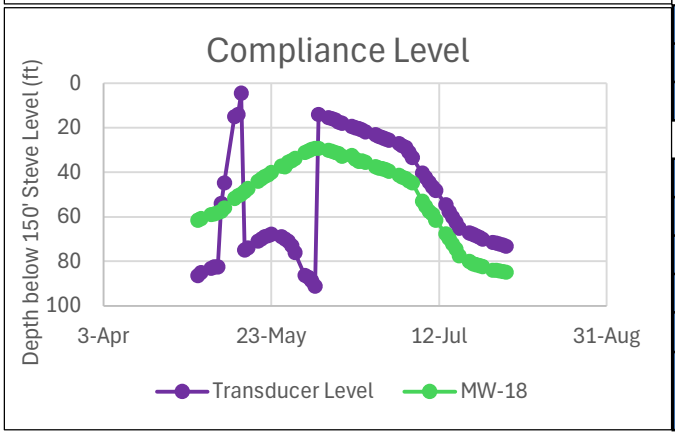
Schwartzwalder Daily Summary Report

Report Date:	8/1/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.430 Mgal	MW-18 Level:	202.3 ft	85.0 ft
Average Flowrate:	103.0 gpm	Transducer Level:	222.8 ft	73.2 ft
Effluent to Date:	10.714 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.67	189 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	10 Gal	32 Gal	8 Gal
Vol. Remaining	236 Gal	176 Gal	50 Gal
Vol. Staged	460 Gal	135 Gal	80 Gal
Days Available	70 Days	10 Days	16 Days

Safety Issues/Concerns:
- N/A

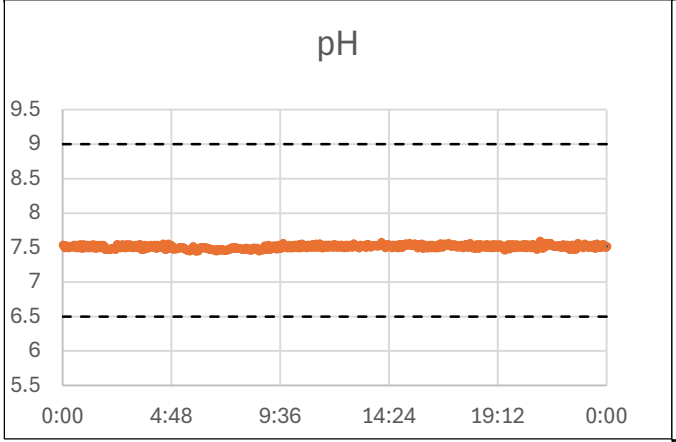
Notes:
- Collected Outfall 001A Weekly TSS Sample.

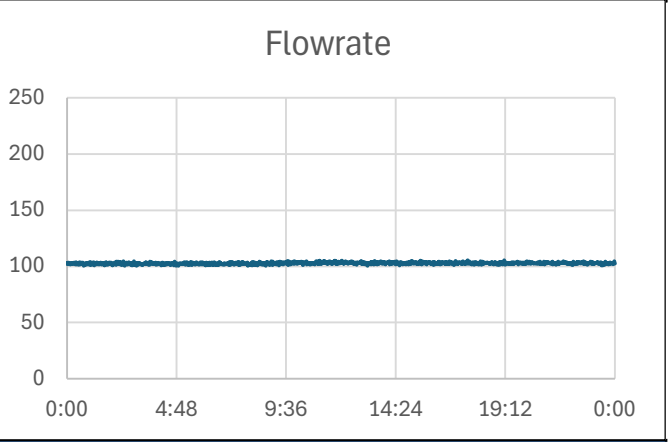
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

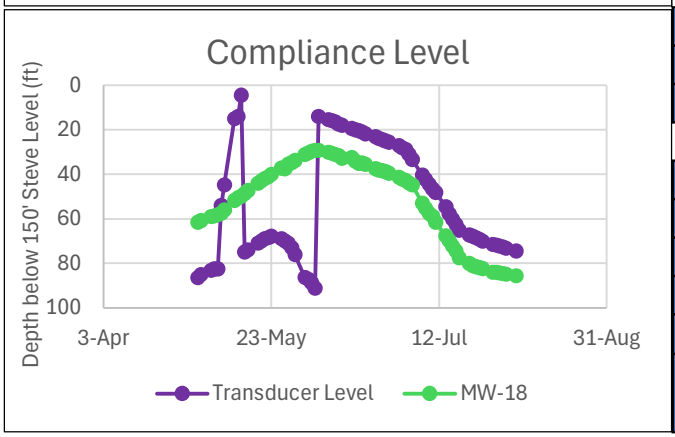
Schwartzwalder Daily Summary Report

Report Date:	8/4/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.143 Mgal	MW-18 Level:	203.0 ft	85.7 ft
Average Flowrate:	102.8 gpm	Transducer Level:	221.5 ft	74.5 ft
Effluent to Date:	10.857 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.6	189 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	6 Gal	11 Gal	5 Gal
Vol. Remaining	228 Gal	144 Gal	40 Gal
Vol. Staged	460 Gal	135 Gal	80 Gal
Days Available	115 Days	25 Days	24 Days

Safety Issues/Concerns:
- N/A

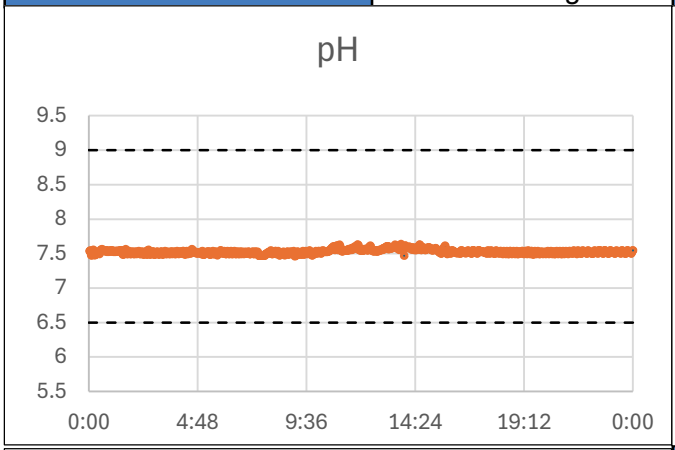
Notes:
- Collected Outfall 001A Weekly TSS Sample.
- Collected and Shipped Outfall 001A Quarterly WET Sample.
- Raised VFD Mine Pump Hertz from 47.1Hz too 47.2Hz.

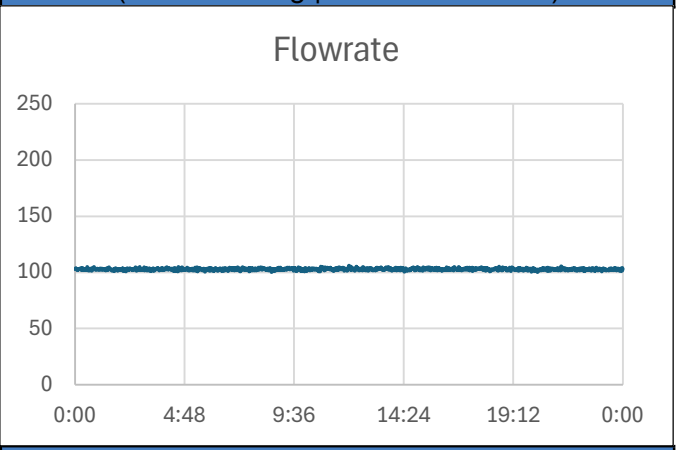
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

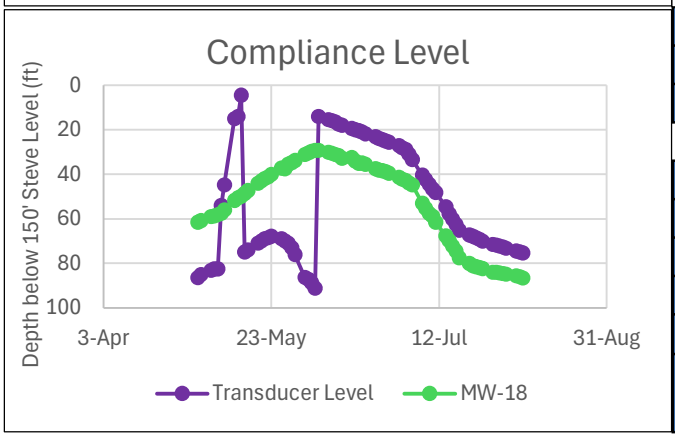
Schwartzwalder Daily Summary Report

Report Date:	8/5/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.144 Mgal	MW-18 Level:	203.4 ft	86.1 ft
Average Flowrate:	102.8 gpm	Transducer Level:	221.0 ft	75.0 ft
Effluent to Date:	11.001 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.36	190 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	5 Gal	10 Gal	4 Gal
Vol. Remaining	221 Gal	133 Gal	35 Gal
Vol. Staged	460 Gal	135 Gal	80 Gal
Days Available	136 Days	26 Days	29 Days

Safety Issues/Concerns:
- N/A

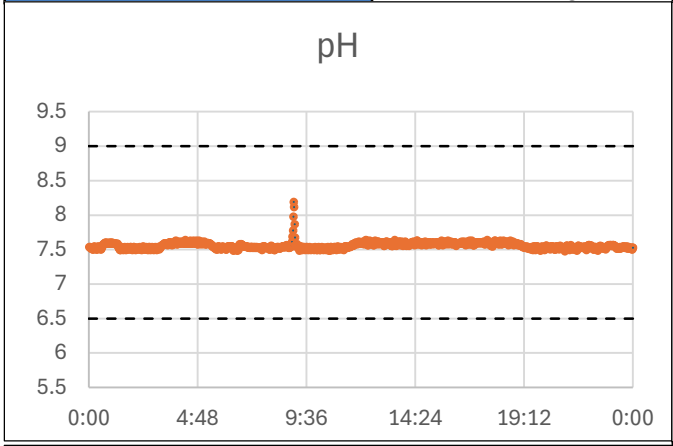
Notes:
- Collected and Delivered Outfall 001A Quarterly WET Sample.

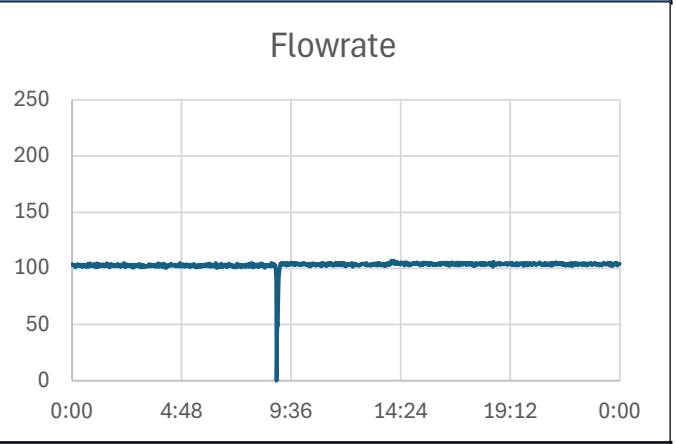
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

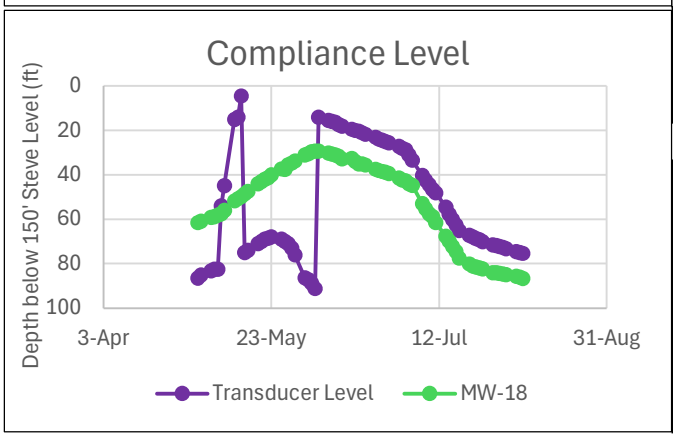
Schwartzwalder Daily Summary Report

Report Date:	8/6/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.144 Mgal	MW-18 Level:	204.0 ft	86.7 ft
Average Flowrate:	103.0 gpm	Transducer Level:	220.6 ft	75.4 ft
Effluent to Date:	11.145 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.4	189 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	3 Gal	12 Gal	3 Gal
Vol. Remaining	217 Gal	122 Gal	30 Gal
Vol. Staged	460 Gal	135 Gal	80 Gal
Days Available	226 Days	22 Days	37 Days

Safety Issues/Concerns:
- N/A

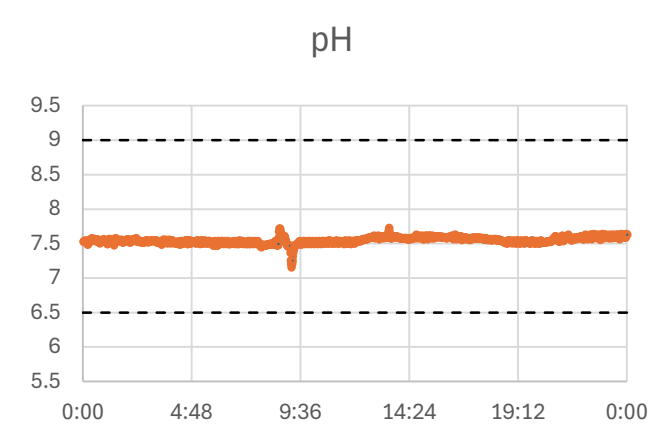
Notes:
- Collected and Delivered Outfall 001A Quarterly WET Sample.
- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.
- Filled up the High pH CIP Tote with RO#2 Permeate for RO cleaning. This caused pH too spike and a Flow drop. Still within Operating Perameters.

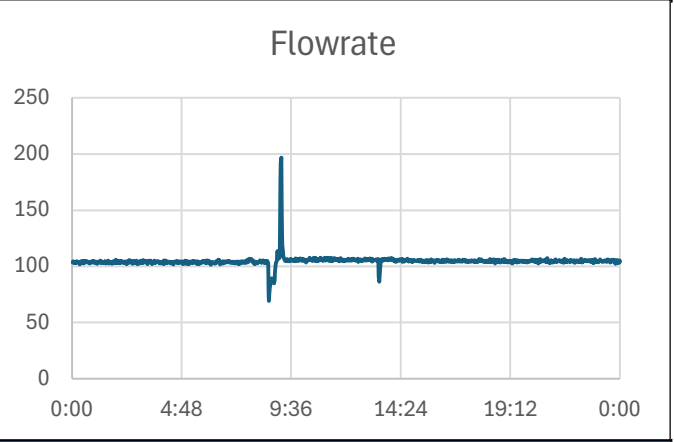
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

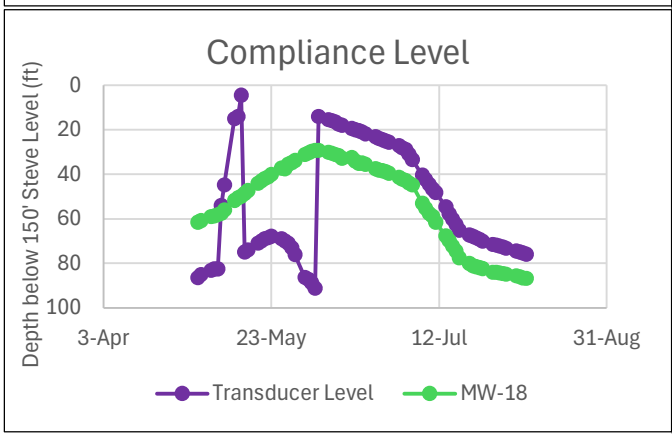
Schwartzwalder Daily Summary Report

Report Date:	8/7/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Patrick D
			Bryant A

Effluent Discharged:	0.146 Mgal	MW-18 Level:	204.1 ft	86.8 ft
Average Flowrate:	104.6 gpm	Transducer Level:	220.1 ft	75.9 ft
Effluent to Date:	11.291 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.47	190 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	3 Gal	16 Gal	4 Gal
Vol. Remaining	214 Gal	110 Gal	27 Gal
Vol. Staged	460 Gal	135 Gal	80 Gal
Days Available	225 Days	15 Days	27 Days

Safety Issues/Concerns:
- N/A

Notes:
- Joel from Denver Winpump onsite , replaced RO#1 Feed Pump Mechanical Seal. Flushed RO#1 and started running it for 15min to check for any Leaks. Found No Leaks.
- Will Scott Company onsite. Fixed hole in office trailer wall. Installed new piece of drywall and resealed the window.
- Transferred 127 gallons of 50% NaOH. Rinsed Transfer Pump causing slight pH spiek and Flow drop. Still within Operating Perameters.
- Prepped 2 gallons of 50% NaOH for High pH CIP on RO#1.

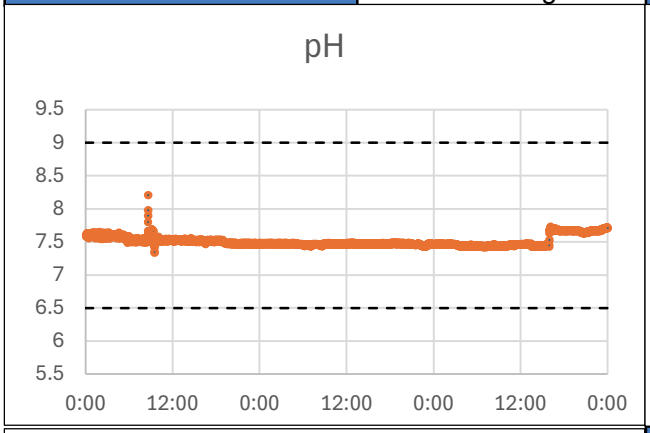
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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

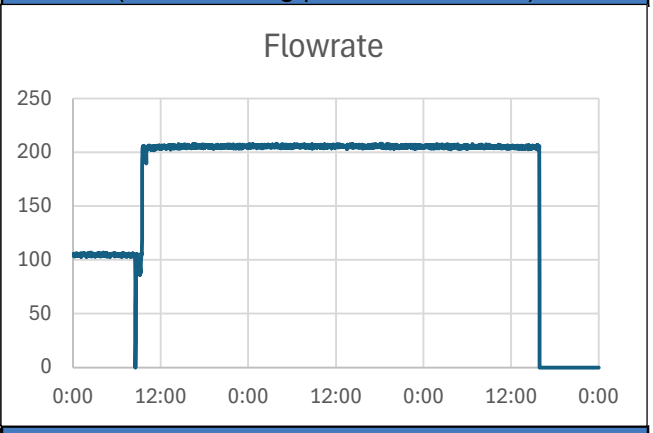
offset may be a result from the deeper installation and transducer type, the old data's accuracy is questionable due to damage to the atmospheric vent, which may have allowed moisture intrusion.

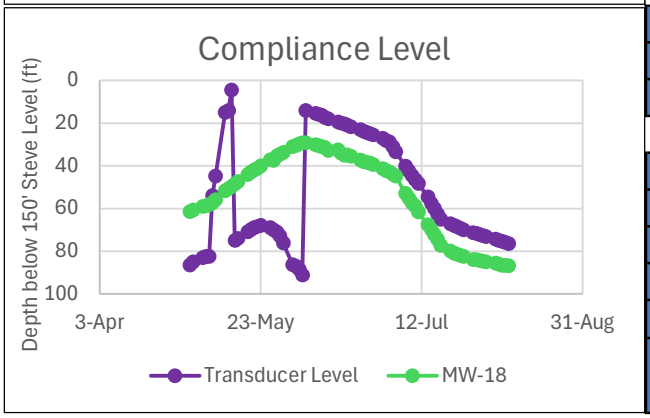
Schwartzwalder Daily Summary Report

Report Date:	8/8/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Patrick D
			Bryant A

Effluent Discharged:	0.708 Mgal	MW-18 Level:	204.2 ft	86.9 ft
Average Flowrate:	168.9 gpm	Transducer Level:	219.5 ft	76.5 ft
Effluent to Date:	11.999 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.81	180 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	11 Gal	58 Gal	5 Gal
Vol. Remaining	211 Gal	222 Gal	50 Gal
Vol. Staged	460 Gal	135 Gal	50 Gal
Days Available	61 Days	6 Days	20 Days

Safety Issues/Concerns:
- N/A

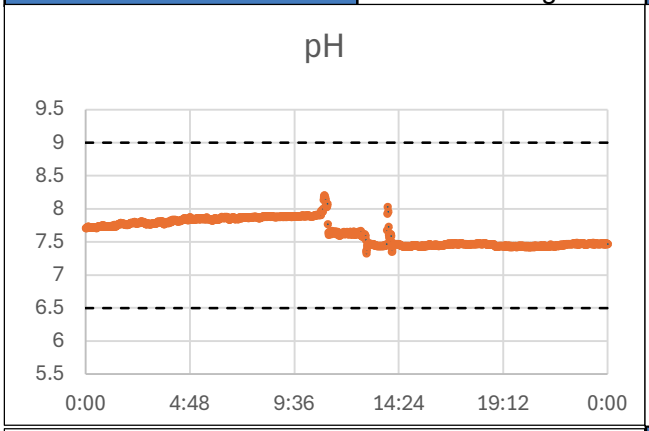
Notes:
- Performed high pH CIP on RO#1. Flushed RO and brought 2 ROs online at around 9:40 AM on 8/8/25.
- Samples Outfall 001A TSS
- Batch 30 gal of BaCl
- Onsite Monthly meeting with Peter Hays.
- A suspected power issue occurred onsite on 8/10 at around 13:30. Plant was still running however there were issues with the Antiscalant and BaCl pump not operatoring. The plant was remotely shutdown at around 16:06 since chemical dosing was unable to be confirmed.

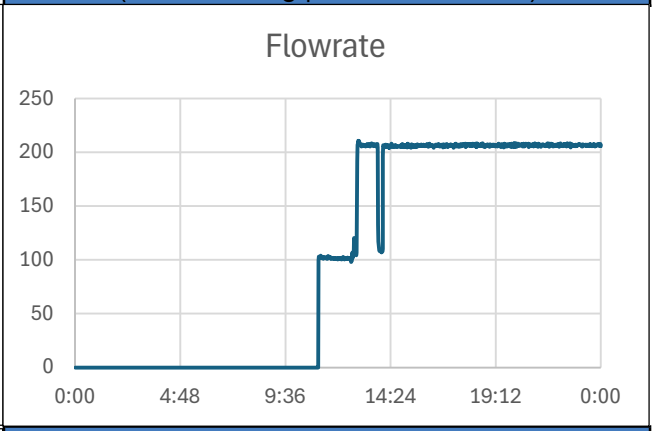
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

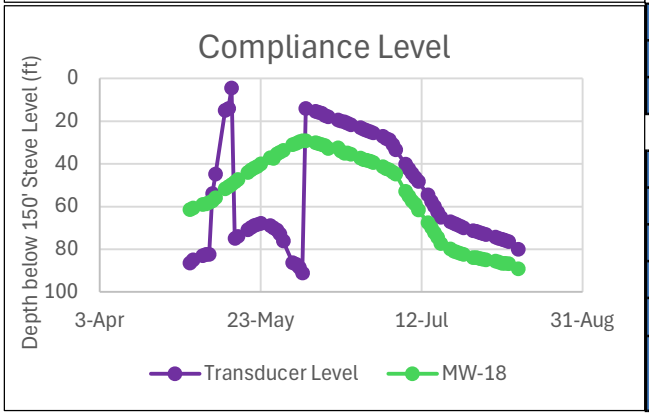
Schwartzwalder Daily Summary Report

Report Date:	8/11/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Patrick D

Effluent Discharged:	0.144 Mgal	MW-18 Level:	206.5 ft	89.2 ft
Average Flowrate:	102.6 gpm	Transducer Level:	215.9 ft	80.1 ft
Effluent to Date:	12.143 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	22°C	7.53	182 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	3 Gal	11 Gal	4 Gal
Vol. Remaining	200 Gal	163 Gal	45 Gal
Vol. Staged	460 Gal	780 Gal	160 Gal
Days Available	220 Days	83 Days	51 Days

Safety Issues/Concerns:
- N/A

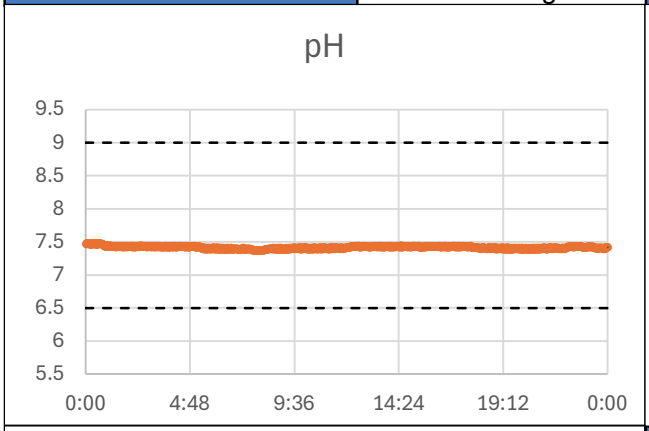
Notes:
- A suspected power issue occurred onsite on 8/10 at around 13:30. The plant was remotely shutdown at around 16:06 on 8/10 since chemical dosing was unable to be confirmed.
- Performed investigation and determined there was an issue with the analog input board of the RO PLC. Unable to operate the antiscalant and BaCl dosing in auto. Had issue with RO#2 E-stop not being cleared. Started RO #1 at 11:06. Troubleshooted RO#2 and able to start it up at 12:52. Brief shutdown (15 mins) of RO#2 for E-stop issue while trying to troubleshoot RO PLC Analog Output boards. Restarted RO#2 by 14:03
- Received delivery of 3x caustic totes and 1x 110 lbs drum of BaCl

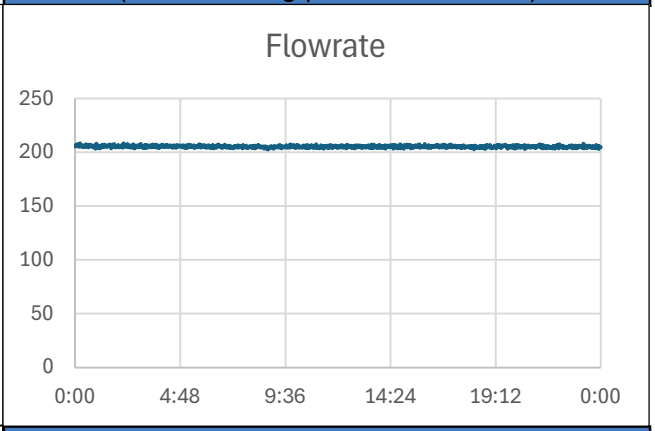
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

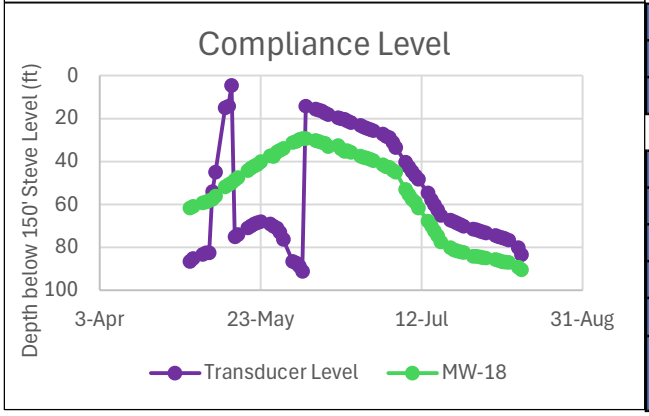
Schwartzwalder Daily Summary Report

Report Date:	8/12/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Patrick D

Effluent Discharged:	0.287 Mgal	MW-18 Level:	207.6 ft	90.3 ft
Average Flowrate:	205.4 gpm	Transducer Level:	212.6 ft	83.4 ft
Effluent to Date:	12.430 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.55	192 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
0>,mnbv /	5 Gal	23 Gal	2 Gal
Vol. Remaining	197 Gal	152 Gal	41 Gal
Vol. Staged	460 Gal	780 Gal	160 Gal
Days Available	131 Days	41 Days	101 Days

Safety Issues/Concerns:
- N/A

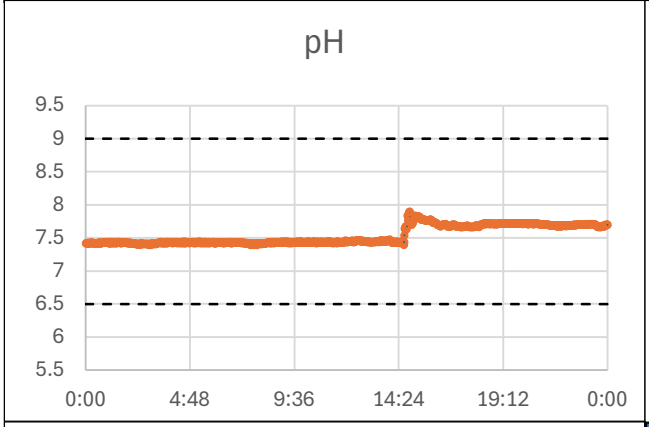
Notes:
- Collected and Shipped Table 1 Bi-weekly and Minepool Quarterly Samples.

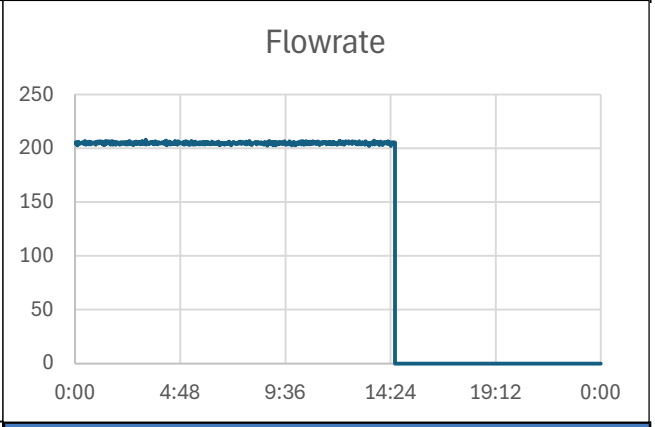
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

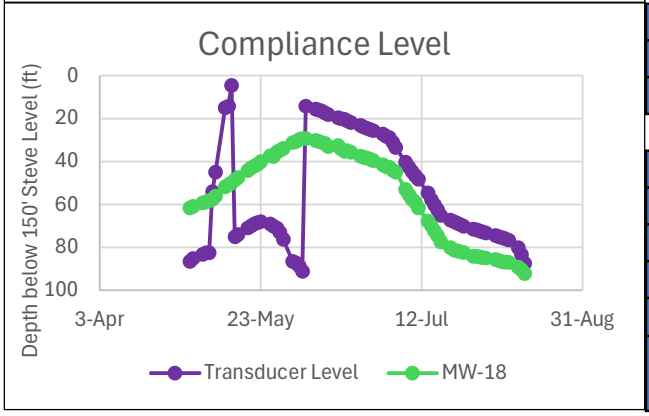
Schwartzwalder Daily Summary Report

Report Date:	8/13/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.174 Mgal	MW-18 Level:	209.4 ft	92.1 ft
Average Flowrate:	124.7 gpm	Transducer Level:	208.7 ft	87.3 ft
Effluent to Date:	12.604 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.67	180 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	12 Gal	14 Gal	19 Gal
Vol. Remaining	192 Gal	129 Gal	39 Gal
Vol. Staged	460 Gal	1040 Gal	160 Gal
Days Available	54 Days	84 Days	10 Days

Safety Issues/Concerns:
- N/A

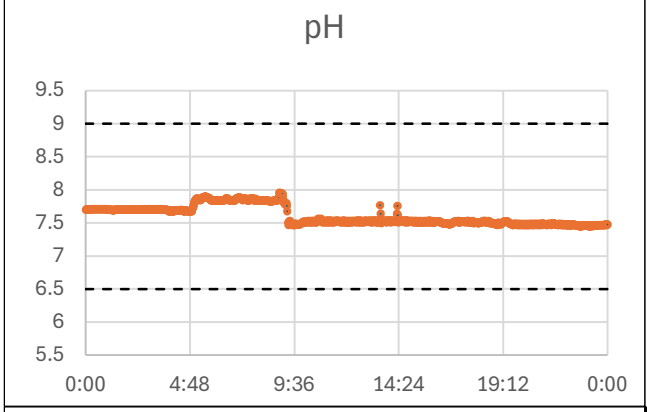
Notes:
- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.
- Plant Shut OFF at 14:37. Suspected to be due to Mine Pump VFD Overheating. Dirty Fan Filters may have caused this issue. Filters have been replaced with new ones.
- Plant Started Up with 2 RO's on 8/14/25 @ 09:18.

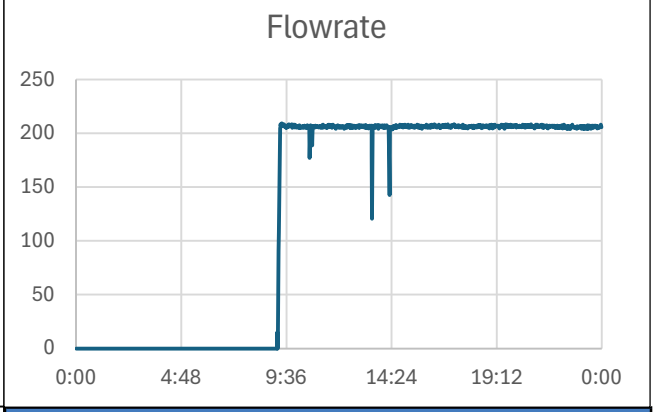
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

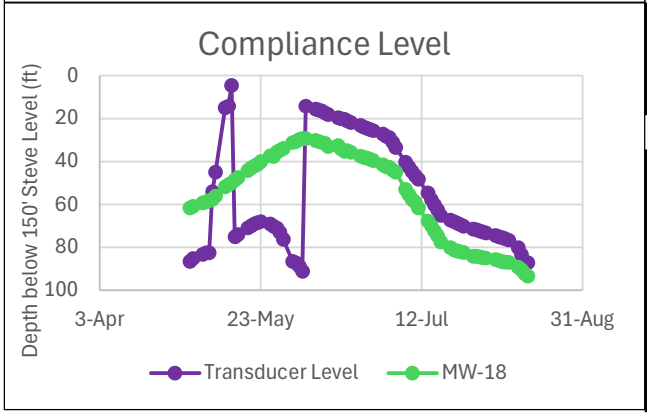
Schwartzwalder Daily Summary Report

Report Date:	8/14/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Bryant A

Effluent Discharged:	0.176 Mgal	MW-18 Level:	210.6 ft	93.3 ft
Average Flowrate:	126.3 gpm	Transducer Level:	208.9 ft	87.1 ft
Effluent to Date:	12.780 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.81	184 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	10 Gal	14 Gal	7 Gal
Vol. Remaining	180 Gal	115 Gal	20 Gal
Vol. Staged	460 Gal	905 Gal	130 Gal
Days Available	64 Days	72 Days	21 Days

Safety Issues/Concerns:
- N/A

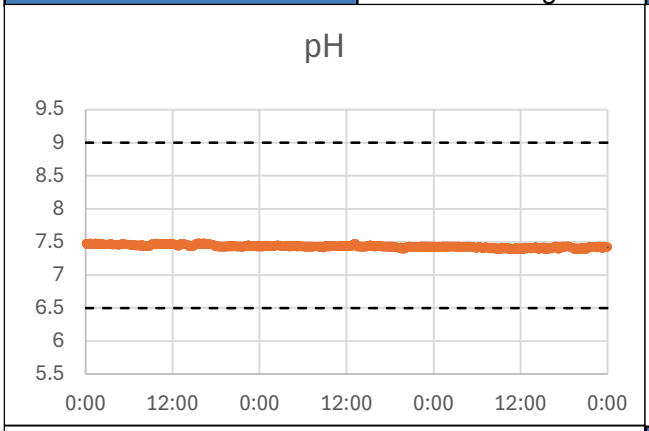
Notes:
- Plant Start Up @ 09:30.
- Transferred 135 gallons of 50% NaOH. Washed Transfer pump using RO#1 Permeate. This caused pH too spike and Flow to drop. Still within Operating Perameters.
- Batcehd 30 gallons of BaCl.
- Replaced VFD Mine Pool Fan Filters.

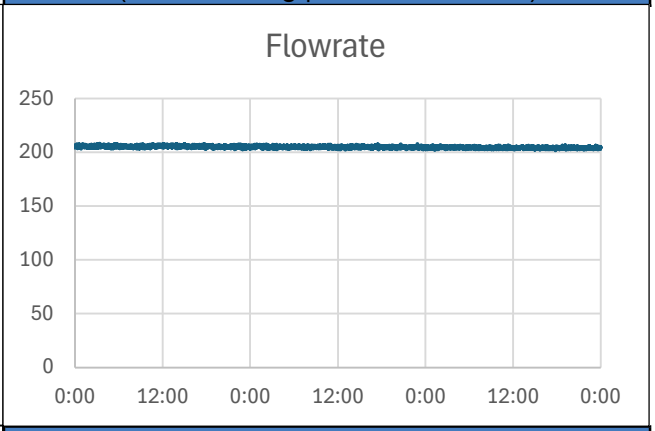
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

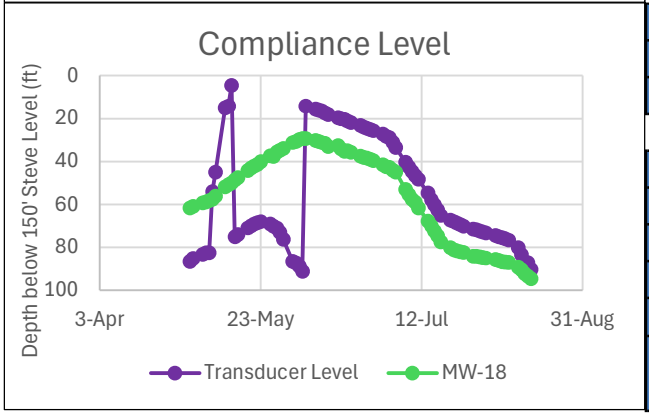
Schwartzwalder Daily Summary Report

Report Date:	8/15/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.854 Mgal	MW-18 Level:	211.9 ft	94.6 ft
Average Flowrate:	204.9 gpm	Transducer Level:	205.9 ft	90.1 ft
Effluent to Date:	13.634 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.3	183 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	17 Gal	70 Gal	8 Gal
Vol. Remaining	170 Gal	230 Gal	50 Gal
Vol. Staged	460 Gal	905 Gal	130 Gal
Days Available	37 Days	16 Days	23 Days

Safety Issues/Concerns:
- N/A

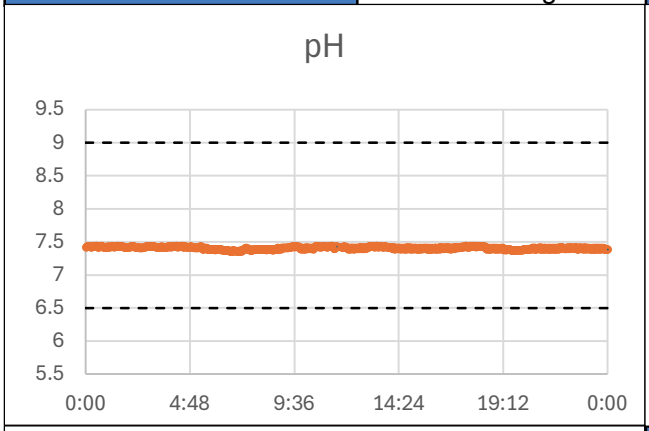
Notes:
-Collected Outfall 001A Weekly TSS Sample.
- Raised VFD Hertz from 59.4Hz to 59.5Hz.

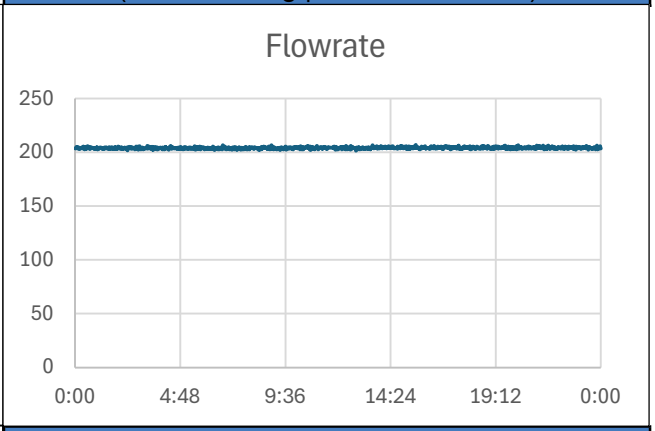
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

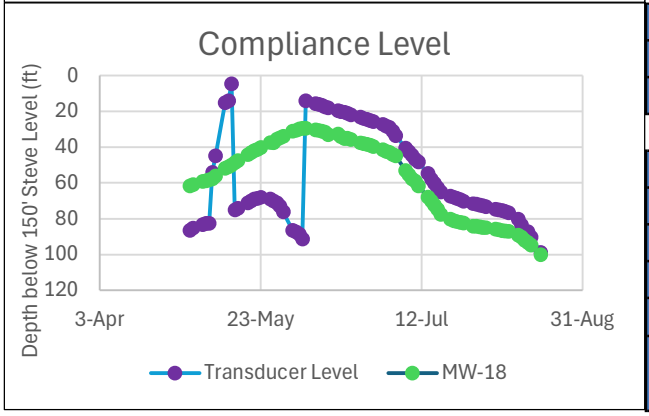
Schwartzwalder Daily Summary Report

Report Date:	8/18/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.281 Mgal	MW-18 Level:	217.3 ft	100.0 ft
Average Flowrate:	204.1 gpm	Transducer Level:	197.2 ft	98.8 ft
Effluent to Date:	13.915 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.5	179 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	7 Gal	23 Gal	3 Gal
Vol. Remaining	152 Gal	161 Gal	42 Gal
Vol. Staged	460 Gal	905 Gal	130 Gal
Days Available	87 Days	46 Days	57 Days

Safety Issues/Concerns:
- N/A

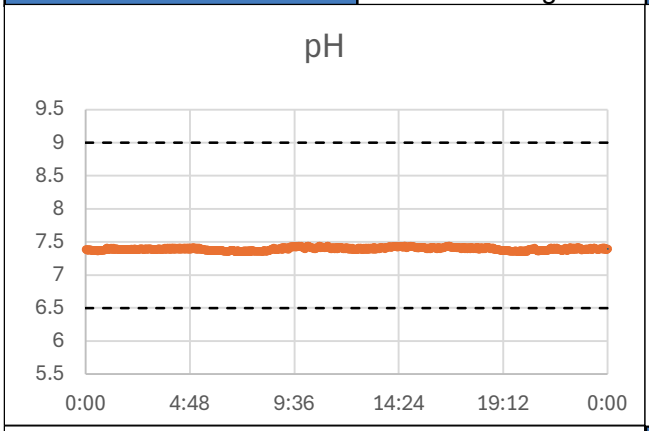
Notes:
-Collected Outfall 001A Weekly TSS Sample.
- Raised VFD Pump Hertz from 59.5Hz to 59.78Hz.
- Prepped Cartridge Filter Area for Cartridge Filter replacement.

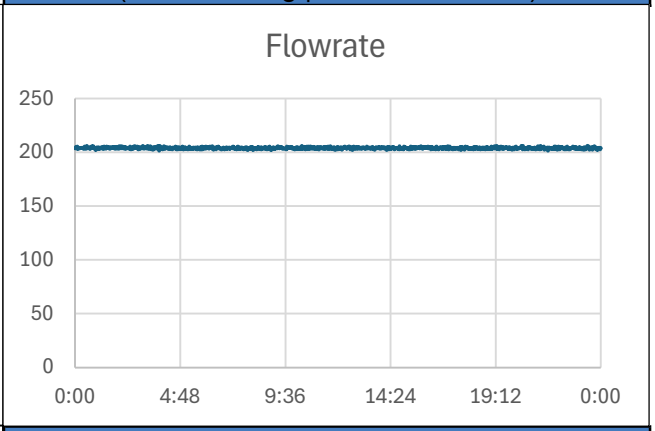
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

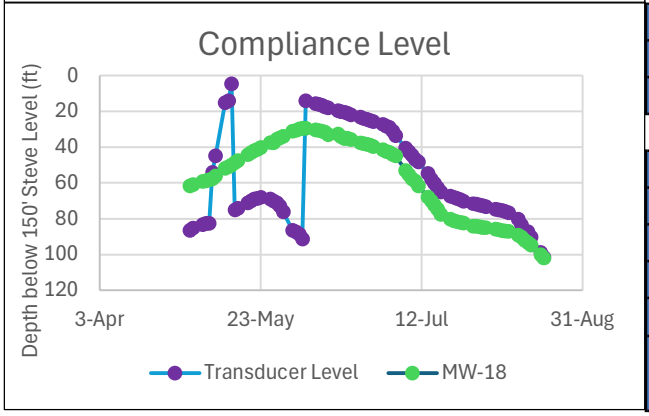
Schwartzwalder Daily Summary Report

Report Date:	8/19/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.283 Mgal	MW-18 Level:	219.2 ft	101.9 ft
Average Flowrate:	204.0 gpm	Transducer Level:	194.7 ft	101.3 ft
Effluent to Date:	14.198 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.48	179 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	12 Gal	22 Gal	3 Gal
Vol. Remaining	145 Gal	138 Gal	39 Gal
Vol. Staged	460 Gal	905 Gal	130 Gal
Days Available	50 Days	48 Days	56 Days

Safety Issues/Concerns:
- N/A

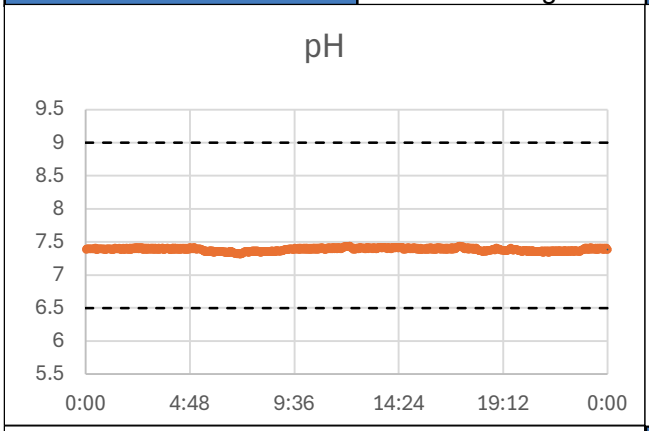
Notes:
-Collected Outfall 001A Bi-Weekly.
- Raised VFD Pump Hertz from 59.78Hz to 59.85Hz.

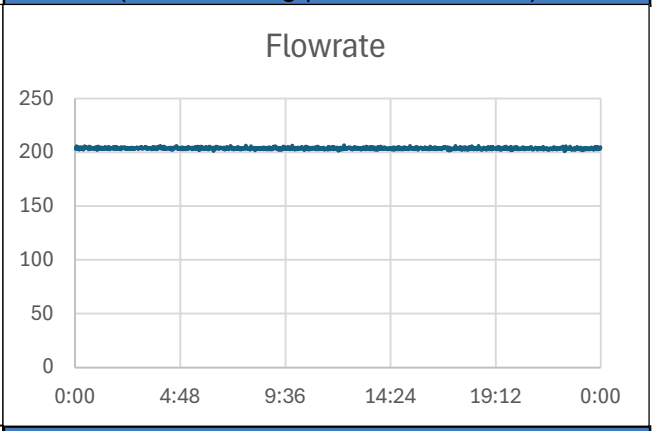
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

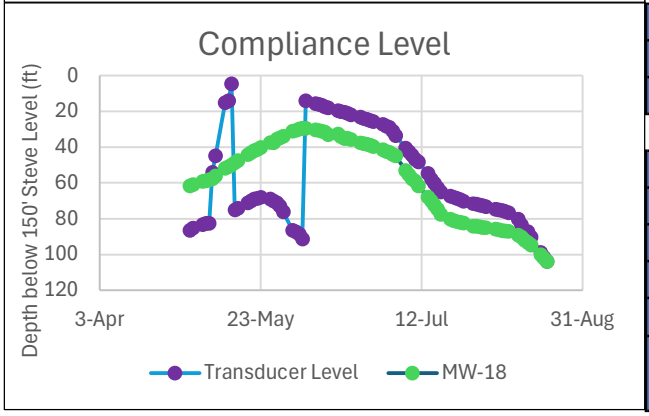
Schwartzwalder Daily Summary Report

Report Date:	8/20/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.281 Mgal	MW-18 Level:	221.2 ft	103.8 ft
Average Flowrate:	203.8 gpm	Transducer Level:	192.2 ft	103.8 ft
Effluent to Date:	14.479 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.24	179 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	13 Gal	22 Gal	2 Gal
Vol. Remaining	133 Gal	116 Gal	36 Gal
Vol. Staged	460 Gal	905 Gal	130 Gal
Days Available	46 Days	46 Days	83 Days

Safety Issues/Concerns:
- N/A

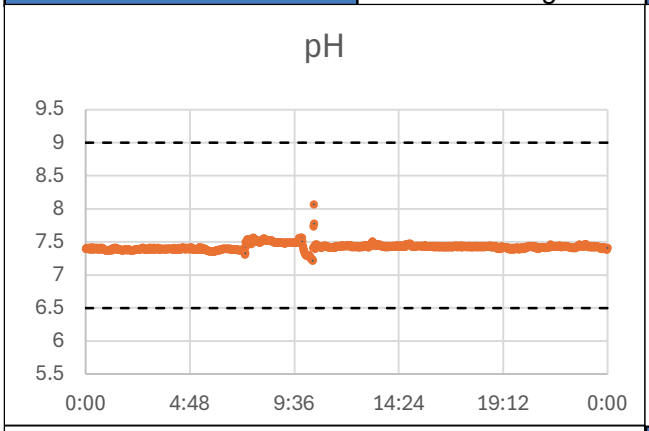
Notes:
-Collected and Shipped Outfall 001A Weekly TSS & COD Samples.

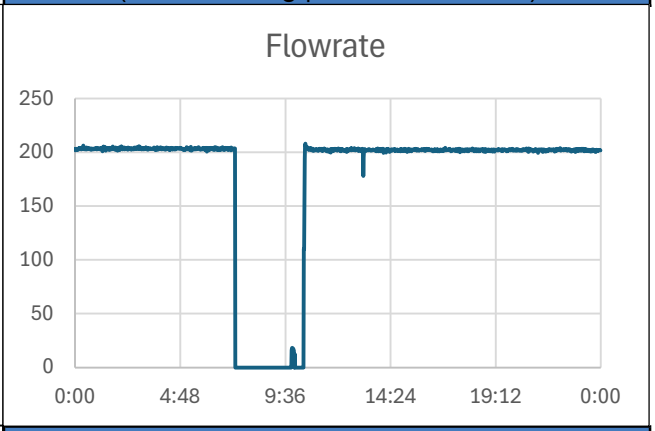
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

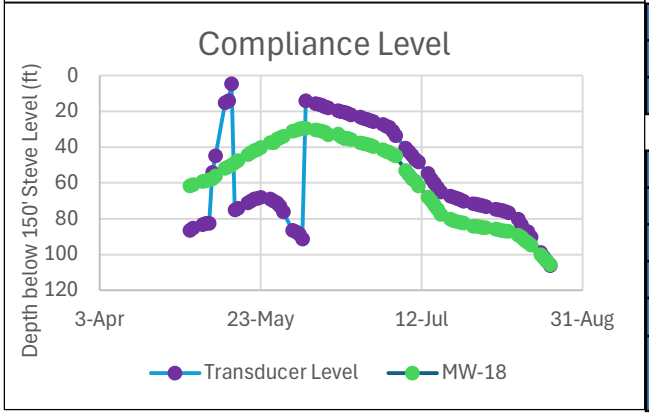
Schwartzwalder Daily Summary Report

Report Date:	8/21/2025	Lead Operator:	Patrick D
		Assistant Operator(s):	Bryant A

Effluent Discharged:	0.386 Mgal	MW-18 Level:	222.9 ft	105.6 ft
Average Flowrate:	184.0 gpm	Transducer Level:	189.9 ft	106.1 ft
Effluent to Date:	14.865 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	21°C	7.03	182 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	9 Gal	15 Gal	4 Gal
Vol. Remaining	120 Gal	94 Gal	34 Gal
Vol. Staged	460 Gal	792 Gal	430 Gal
Days Available	64 Days	61 Days	116 Days

Safety Issues/Concerns:
- N/A

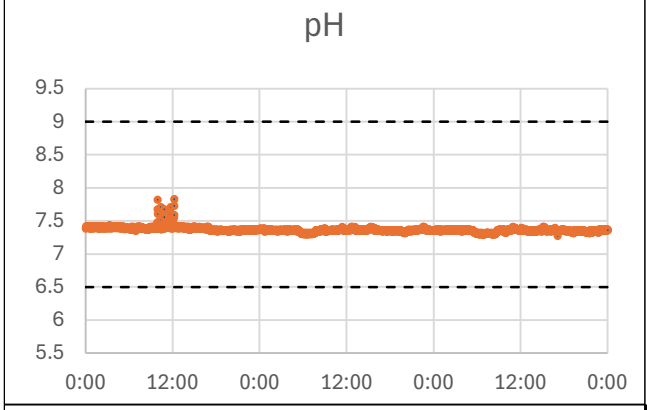
Notes:
-Shut down Plant @ 07:15.
- Replaced Cartdrigde Filters on both RO's.
- Started Plant @ 10:35.
- Transferred 113 gallons of 50% NaOH.
- Received 6 bags of BaCl.
- 7 Empty Totes removed from Site.

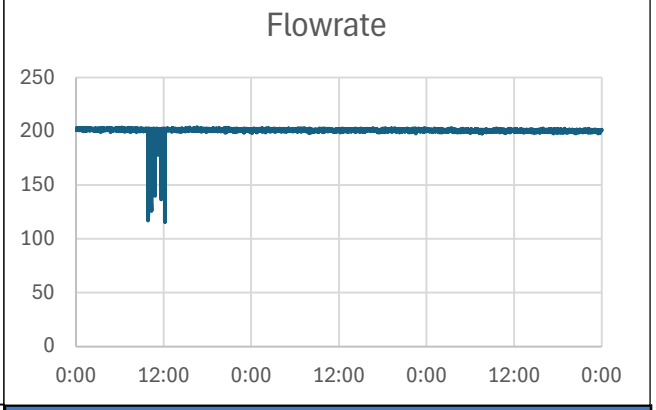
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

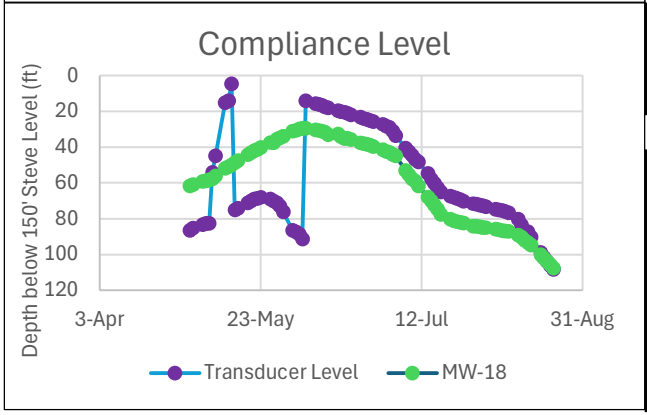
Schwartzwalder Daily Summary Report

Report Date:	8/22/2025	Lead Operator:	Patrick D
		Assistant Operator(s):	Bryant A

Effluent Discharged:	0.834 Mgal	MW-18 Level:	224.9 ft	107.6 ft
Average Flowrate:	200.7 gpm	Transducer Level:	187.9 ft	108.1 ft
Effluent to Date:	15.699 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	6.98	182 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	14 Gal	43 Gal	7 Gal
Vol. Remaining	332 Gal	192 Gal	50 Gal
Vol. Staged	230 Gal	770 Gal	400 Gal
Days Available	40 Days	22 Days	64 Days

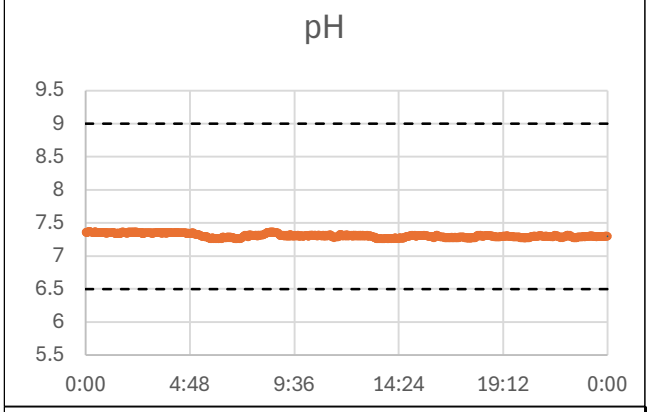
Safety Issues/Concerns:
- N/A

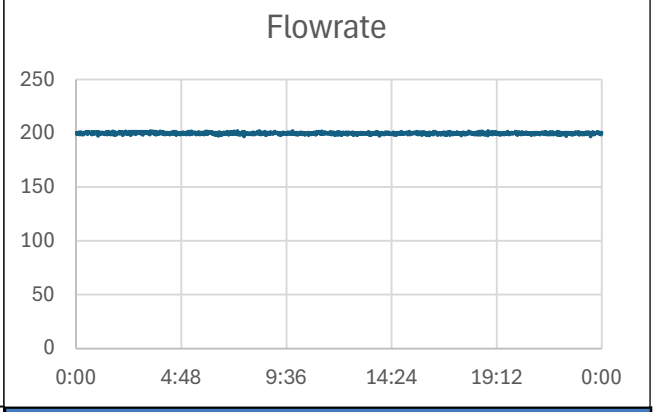
Notes:
- Transferred 22 gallons of 50% NaOH.
- Batched 20 gallons of BaCl.
- Replaced RO#1 Anti scalant tote with New Full Tote.
- Washed out 2x NaOH Totes and 1x Anti Scalant Tote using RO#1 Permeate. This caused Plant Flow too drop and pH too spike. Still within Operating Perameters.

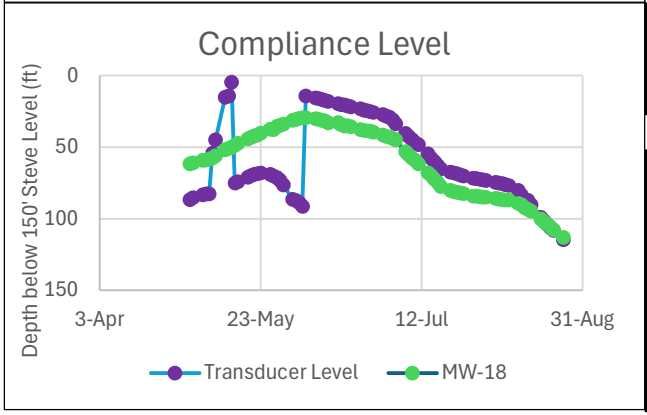
Schwartzwalder Daily Summary Report

Report Date:	8/25/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.279 Mgal	MW-18 Level:	230.2 ft	112.8 ft
Average Flowrate:	200.4 gpm	Transducer Level:	181.4 ft	114.6 ft
Effluent to Date:	15.978 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	6.72	171 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	6 Gal	21 Gal	4 Gal
Vol. Remaining	318 Gal	149 Gal	43 Gal
Vol. Staged	230 Gal	770 Gal	400 Gal
Days Available	91 Days	43 Days	111 Days

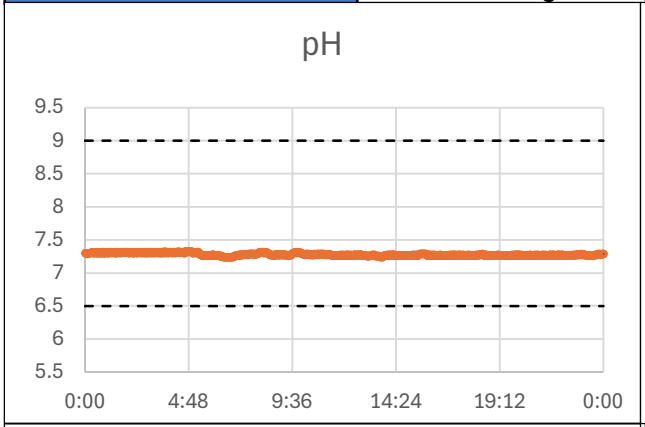
Safety Issues/Concerns:
- N/A

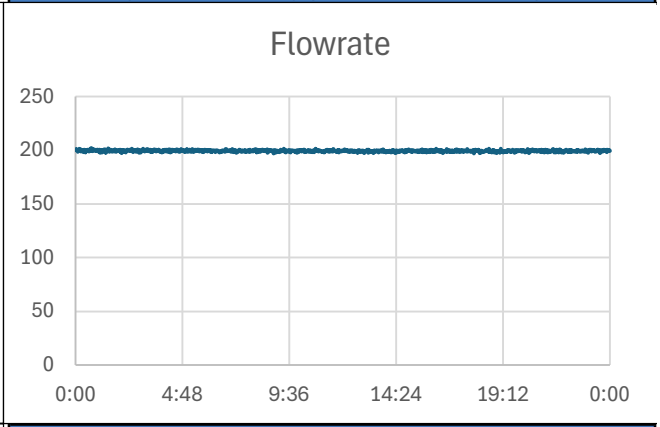
Notes:
- Collected Outfall 001A Weekly TSS Sample.

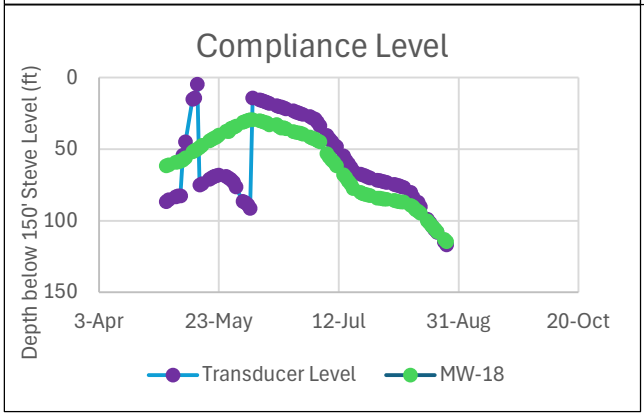
Schwartzwalder Daily Summary Report

Report Date:	8/26/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.275 Mgal	MW-18 Level:	231.7 ft	114.4 ft
Average Flowrate:	199.4 gpm	Transducer Level:	179.2 ft	116.8 ft
Effluent to Date:	16.253 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.06	168 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	6 Gal	21 Gal	3 Gal
Vol. Remaining	311 Gal	128 Gal	39 Gal
Vol. Staged	230 Gal	770 Gal	400 Gal
Days Available	90 Days	42 Days	146 Days

Safety Issues/Concerns:
- N/A

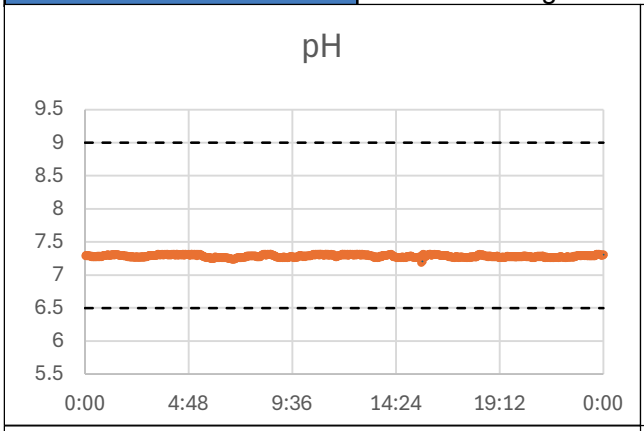
Notes:
- Recalibrated and cleaned Handlheld Myron Meter.
- Adjusted RO Feed Valves for a more Adequate IX Vessel Pressure and Flow.

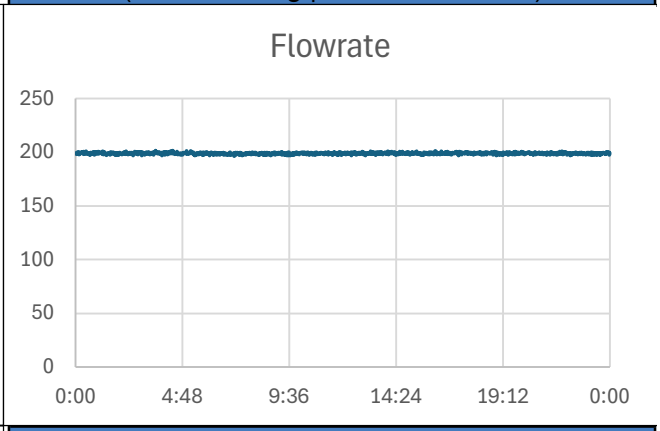
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

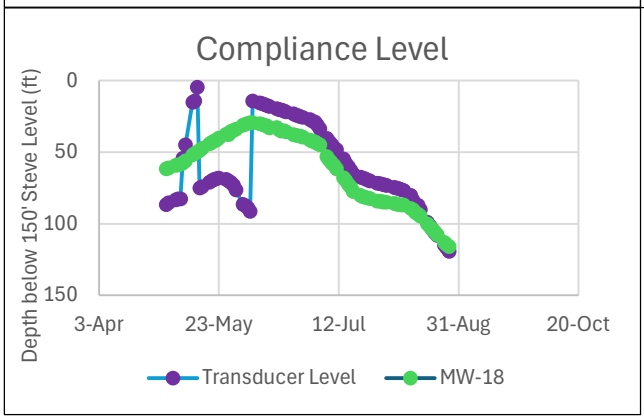
Schwartzwalder Daily Summary Report

Report Date:	8/27/2025	Lead Operator:	Bryant A
		Assistant Operator(s):	

Effluent Discharged:	0.275 Mgal	MW-18 Level:	233.3 ft	116.0 ft
Average Flowrate:	199.0 gpm	Transducer Level:	176.8 ft	119.2 ft
Effluent to Date:	16.528 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.09	167 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	7 Gal	21 Gal	5 Gal
Vol. Remaining	305 Gal	106 Gal	36 Gal
Vol. Staged	230 Gal	770 Gal	400 Gal
Days Available	76 Days	43 Days	87 Days

Safety Issues/Concerns:
- N/A

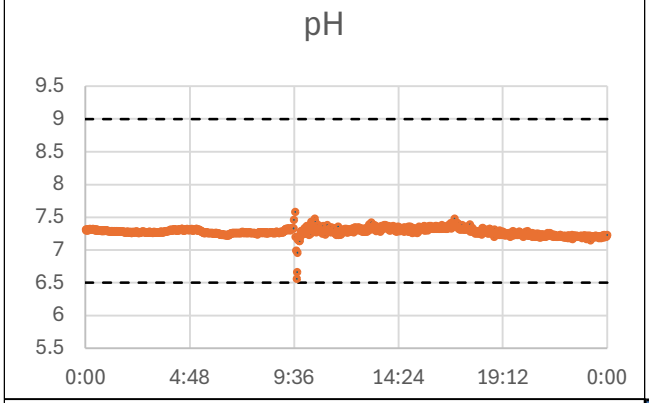
Notes:
- RSO Patrick Hendrickson from ERG onsite.
- Raised Mine Pump VFD Hertz from 59.90Hz to 60.00Hz. The Mine Pump is now running at 100% capacity.
- Collected and Shipped Outfall 001A Weekly TSS & COD Samples.

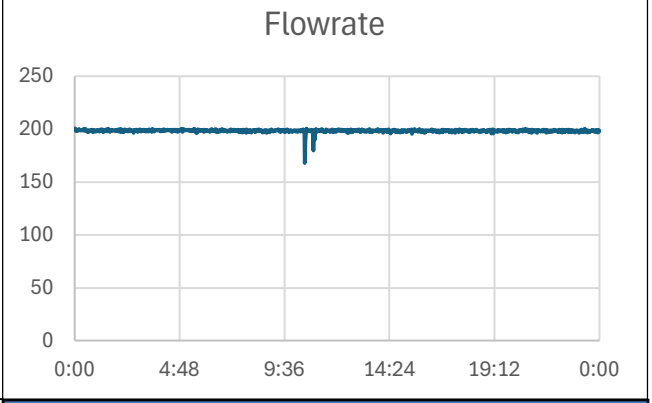
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

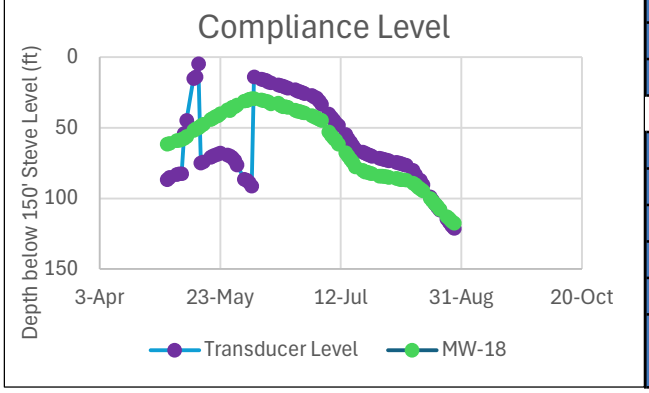
Schwartzwalder Daily Summary Report

Report Date:	8/28/2025	Lead Operator:	Patrick D
		Assistant Operator(s):	Bryant A

Effluent Discharged:	0.360 Mgal	MW-18 Level:	234.8 ft	117.5 ft
Average Flowrate:	198.3 gpm	Transducer Level:	174.8 ft	121.2 ft
Effluent to Date:	16.888 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.38	172 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	5 Gal	28 Gal	1 Gal
Vol. Remaining	298 Gal	250 Gal	50 Gal
Vol. Staged	230 Gal	599 Gal	380 Gal
Days Available	106 Days	30 Days	430 Days

Safety Issues/Concerns:
- N/A

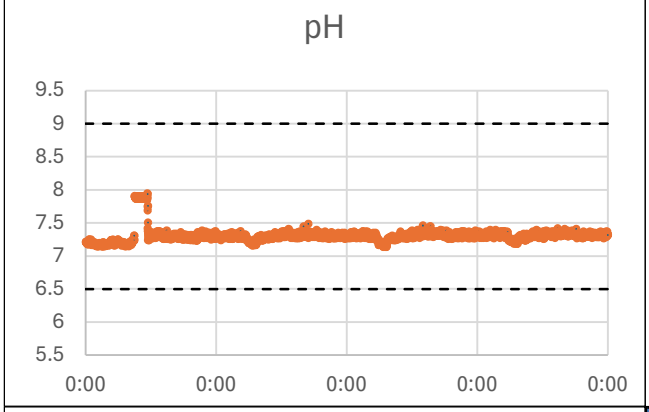
Notes:
- Batched Caustic at 8:50 AM
- Batched BaCl at 10:30 AM attributing to small dip in flow
- Calibrated discharge pH probe in effluent tank

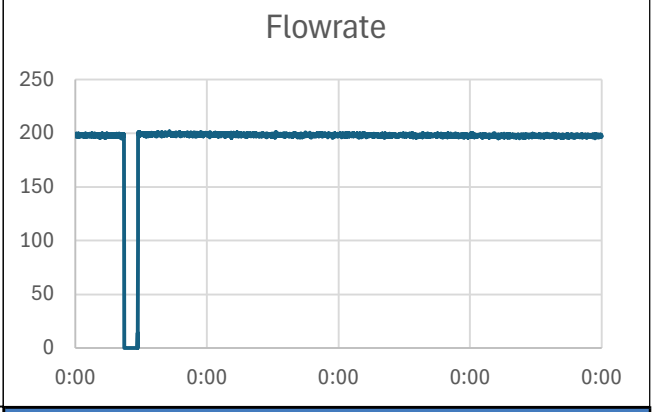
NOTE: The level graph has been adjusted to show field readings relative to the water level below the compliance elevation (150' below the Steve Adit - 6459' ASL). Data from 5/1/2025 to 6/5/2025 was recorded using an atmospheric transducer with a 500-ft cable, installed at the end of the 2024 season and 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.

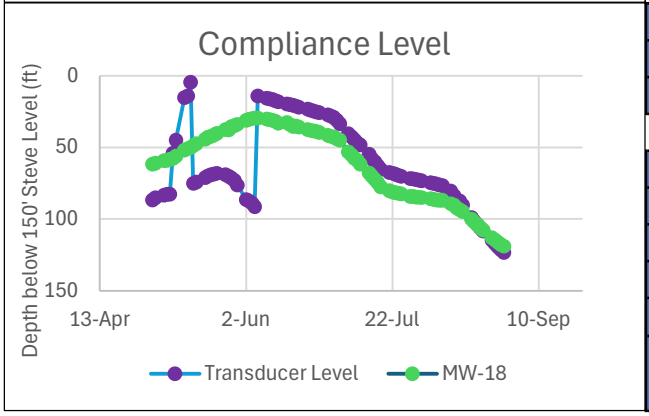
Schwartzwalder Daily Summary Report

Report Date:	8/29/2025	Lead Operator:	Chris P
		Assistant Operator(s):	Patrick D

Effluent Discharged:	1.075 Mgal	MW-18 Level:	236.2 ft	118.9 ft
Average Flowrate:	193.0 gpm	Transducer Level:	172.7 ft	123.3 ft
Effluent to Date:	17.963 Mgal	(Field Reading | Value below 150')		







Finished Water Quality			
Parameters	Temp	pH	Cond
Values	20°C	7.39	196 µS/cm

Chemical Inventory			
Chemicals	Antiscalant	NaOH	BaCl
Vol. Used	33 Gal	99 Gal	32 Gal
Vol. Remaining	293 Gal	237 Gal	49 Gal
Vol. Staged	230 Gal	599 Gal	380 Gal
Days Available	63 Days	34 Days	54 Days

Safety Issues/Concerns:
- N/A

Notes:
- Sampled TSS for outfall 001A
- Shutdown plant at 8:54 on 8/29 to install the analog input board on the RO PLC. Replacing the board did not fix the issue seen on the PLC. Further problem solving efforts included replacing the 2032 batteries in both PLCs and replacing the power supply to the PLC to the RO PLC. All were unsuccessful at resolving the issue.
- Routed an extension cord to RO2 so that RO2 is not powered through the RO PLC.
- Plant started up at 11:24 with 2 ROs in operation. Antiscalant and BaCl pumps still operating in manual
- Peter Hays onsite inspection. New depth to water meter brought onsite for transducer work

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.