



B25082770_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Tue, Sep 9, 2025 at 10:21 AM

To: "Adam.billin@linkan.com" <Adam.billin@linkan.com>, "Alex.schwiebert@linkan.com" <Alex.schwiebert@linkan.com>, "ap@linkan.com" <ap@linkan.com>, "chris.prosper@linkan.com" <chris.prosper@linkan.com>, "Peter.hays@state.co.us" <Peter.hays@state.co.us>

Thank you for choosing Energy Laboratories Inc. for your analytical testing needs. Your final report for the samples received has been attached to this message. A hard copy will only be mailed if previously requested.

If you have questions about your results, our Project Management team is happy to help. You can reach them at billingspm@energylab.com or **406-252-6325**.

We're always working to improve—and your input matters.

Please take 30 seconds to share your feedback by clicking the link or scanning the QR code below:

 [\[Give Feedback\]](#)



Your feedback goes directly to our leadership team to ensure we meet your expectations.

Please do not reply to this email.

Sincerely,

Energy Laboratories, Inc.

Trust our People. Trust our Data.

Stacie Helms | Administrative Assistant | Billings, MT

O: 406-869-6295 | shelms@energylab.com | www.energylab.com

2 attachments

 **B25082770-EDD-ELICSV-WITH-HEADER-1.CSV**
2K



B25082770-FINAL REPORT-1.PDF

1988K



ANALYTICAL SUMMARY REPORT

September 08, 2025

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

Work Order: B25082770 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 8/29/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25082770-001	Outfall 001A	08/22/25 14:30	08/29/25	Aqueous	Solids, Total Suspended
B25082770-002	Outfall 001A	08/25/25 14:25	08/29/25	Aqueous	Same As Above
B25082770-003	Outfall 001A	08/27/25 14:05	08/29/25	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: B25082770-001
Client Sample ID: Outfall 001A

Report Date: 09/08/25
Collection Date: 08/22/25 14:30
Date Received: 08/29/25
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	08/29/25 14:00 / 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: B25082770-002
Client Sample ID: Outfall 001A

Report Date: 09/08/25
Collection Date: 08/25/25 14:25
Date Received: 08/29/25
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	08/29/25 14:00 / 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: B25082770-003
Client Sample ID: Outfall 001A

Report Date: 09/08/25
Collection Date: 08/27/25 14:05
Date Received: 08/29/25
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	08/29/25 14:00 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	09/03/25 14:14 / 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: B25082770

Report Date: 09/05/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D										Batch: TSS20250829A
Lab ID: MBLK_20250829-4		Method Blank					Run: BAL #30_250829C			08/29/25 10:20
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20250829-2		Laboratory Control Sample					Run: BAL #30_250829C			08/29/25 10:20
Solids, Total Suspended TSS @ 105 C		99.0	mg/L	25	99	80	120			
Lab ID: B25082665-001BDUP		Sample Duplicate					Run: BAL #30_250829C			08/29/25 10:20
Solids, Total Suspended TSS @ 105 C		387	mg/L	83				0.0	10	
Lab ID: B25082776-002BDUP		Sample Duplicate					Run: BAL #30_250829C			08/29/25 14:02
Solids, Total Suspended TSS @ 105 C		10.8	mg/L	10				5.7	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: B25082770

Report Date: 09/05/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Analytical Run: SPEC3_250903C
Lab ID: CCV-202920										09/03/25 14:14
Oxygen Demand, Chemical (COD)		46.5	mg/L	5.0	93	90	110			
Method: E410.4										Batch: 202920
Lab ID: MB-202920										09/03/25 14:14
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-202920										09/03/25 14:14
Oxygen Demand, Chemical (COD)		23.6	mg/L	5.0	97	90	110			
Lab ID: B25082735-001CMS										09/03/25 14:14
Oxygen Demand, Chemical (COD)		30.2	mg/L	5.0	103	90	110			
Lab ID: B25082735-001CMSD										09/03/25 14:14
Oxygen Demand, Chemical (COD)		28.1	mg/L	5.0	95	90	110	7.4	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Linkan Engineering

B25082770

Login completed by: Crystal M. Jones

Date Received: 8/29/2025

Reviewed by: cindy

Received by: JAR

Reviewed Date: 9/5/2025

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:	2.5°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



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
Purchase Order	25-0152
Quote	H17287
Bottle Order	195243

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 Acaredo
Sampler Phone	7/238/1669
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)	

Analysis Requested

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

Total Suspended Solids

Chemical Oxygen Demand

See Attached

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	Time	Number of Containers	Matrix (See Codes Above)	Total Suspended Solids	Chemical Oxygen Demand	ELI LAB ID Laboratory Use Only
1 Outfall 001A	8/22	1430	1	W	X		325082770
2 Outfall 001A	8/25	1425	1	W	X		
3 Outfall 001A	8/27	1405	2	W	X		
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 (print) Bryant Acaredo	Signature Bryant Acaredo	Date/Time 8/22/1530	Relinquished by (print)	Signature	Date/Time	Signature		
LABORATORY USE ONLY				Received by Laboratory (print) J. Kerner				Signature J. Kerner	
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 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.



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

Billings, MT 406.252.6325 • Casper, WY 307.235.0515 • Gillette, WY 307.666.7175 • Helena, MT 406.442.0711

BOTTLE ORDER 195243



SHIPPED Linkan Engineering

TO:



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

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
------------------	------------------	--------	-------	--------------------	--------------	-------	-------------

Outfall 001A Weekly COD (5 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 (15 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#: 195243

1 of 2

250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Potentially Dissolved	☒ HNO3	1
500 mL Amber Plastic		MCAVW	Preparation, Potentially Dissolved Filtration		
250 mL Plastic	1	Kelada-01	Cyanide, Weak Acid Dissociable	☒ NaOH	1
	1	A4500-S D	Sulfide, Methylene Blue Colorimetric	☒ ZnAc	1
1 Gallon Plastic				☒ NaOH	
1 Gallon Plastic	1	E903.0	Radium 226, Dissolved	☒ HNO3	1
	1	A7500-RA	Radium 226 + Radium 228		
		E903.0	Radium 226, Total	☒ HNO3	1
		RA-05	Radium 228, Total		1

Outfall 001A-Quarterly TDS

1 Liter Plastic	1	A2540 C	Solids, Total Dissolved		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.

C#: 195243