



B25072562_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Wed, Aug 6, 2025 at 11:53 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

 **B25072562-EDD-ELICSV-WITH-HEADER-1.CSV**
2K



B25072562-FINAL REPORT-1.PDF

1766K



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
Date Received: 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
Date Received: 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
Date Received: 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									
Oxygen Demand, Chemical (COD)		48.5	mg/L	5.0	97	90	110			08/01/25 15:40
Method: E410.4										
Batch: 202068										
Lab ID: MB-202068	Method Blank									
Oxygen Demand, Chemical (COD)		ND	mg/L	3				Run: SPEC3_250801B		08/01/25 15:40
Method: E410.4										
Lab ID: LCS-202068	Laboratory Control Sample									
Oxygen Demand, Chemical (COD)		23.6	mg/L	5.0	97	90	110			08/01/25 15:40
Method: E410.4										
Lab ID: B25072562-003CMS	Sample Matrix Spike									
Oxygen Demand, Chemical (COD)		26.5	mg/L	5.0	108	90	110			08/01/25 15:40
Method: E410.4										
Lab ID: B25072562-003CMSD	Sample Matrix Spike Duplicate									
Oxygen Demand, Chemical (COD)		25.3	mg/L	5.0	104	90	110	4.5	10	08/01/25 15:40

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 <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on all sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>
Container/Temp Blank temperature:	5.0°C On Ice		
Containers requiring zero headspace have no headspace or bubble that is <6mm (1/4").	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input checked="" type="checkbox"/>

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



Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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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	<input type="checkbox"/> Hard Copy <input checked="" type="checkbox"/> Email
Purchase Order	Quote H17287
25-0152	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	<input type="checkbox"/> Hard Copy <input checked="" type="checkbox"/> Email
Special Report/Forms:	<input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC <input type="checkbox"/> EDD/EDT (contact laboratory) <input type="checkbox"/> 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

Project Name, PWSID, Permit, etc. Schwartzwalder Mine	
Sampler Name	Bryant Accu
Sample Origin	State Colorado
EPA/State Compliance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
URANIUM MINING CLIENTS MUST indicate sample type	
<input type="checkbox"/> Unprocessed Ore	
<input type="checkbox"/> Processed Ore (Ground or Refined) **CALL BEFORE SENDING	
<input type="checkbox"/> 11(e)2 Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	

Matrix Codes	A - Air	W - Water	S - Solids	V - Vegetation	B - Biossary	O - Oil	DW - Drinking Water
Number of Containers	1	1	1	2	1	1	1

Analysis Requested

Total Suspended Solids	Chemical Oxygen Demand	Total Dissolved Solids
X		
X		
X		
		X

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	Matrix (See Codes Above)	Number of Containers	Analysis Requested	See Attached	ELI LAB ID Laboratory Use Only
1 Outfall 001A	7/25	1430	W	1			B25072502
2 Outfall 001A	7/28	1415	W	1			
3 Outfall 001A	7/30	1430	W	2			
4 Outfall 001A	7/30	1430	W	1			
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)	Signature	Received by (print)	Signature
	Relinquished by (print)	Signature	Received by (print)	Signature
Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp
		Y N C B	Y N	°C
			Temp Blank	On Ice
			Y N	Y N
			Payment Type	Amount
			Cash Check	\$
			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.energy-lab.com

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

BOTTLE ORDER 193741



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 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
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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
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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
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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

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250 mL Plastic	1 E200.7_8	Metals by ICP/ICPMS, Potentially Dissolved	 HNO3		1
	MCAWW	Preparation, Potentially Dissolved Filtration			
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	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.			

BO#: 193741

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