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## B25061769\_Schwartzwalder Mine

1 message

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**Stacie M. Helms** <SHelms@energylab.com>

Fri, Jun 27, 2025 at 9:30 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 needs. Attached you will find the completed report for samples received and processed by Energy Laboratories. No hard copy of the report will be mailed, unless it was requested. Please contact one of our project managers by email at [billingspm@energylab.com](mailto:billingspm@energylab.com) or by calling 406-252-6325 for questions regarding the attached results. Your invoice will be sent separately.

Please rate your experience or report an issue by clicking [HERE](#) or scanning this QR code below.



**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](mailto:shelms@energylab.com) | [www.energylab.com](http://www.energylab.com)

This transmission may contain confidential information and is for the use of the intended recipient(s).

If you received this in error, please contact the sender and delete this email and all copies.

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**2 attachments**

 **B25061769-EDD-ELICSV-WITH-HEADER-1.CSV**  
2K

 **B25061769-FINAL REPORT-1.PDF**  
1438K



## ANALYTICAL SUMMARY REPORT

June 27, 2025

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

Work Order: B25061769 Quote ID: B17287

Project Name: Schwartzwalder Mine

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

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

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

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

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

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



## LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

**Client:** Linkan Engineering  
**Project:** Schwartzwalder Mine  
**Lab ID:** B25061769-001  
**Client Sample ID:** Outfall 001A

**Report Date:** 06/27/25  
**Collection Date:** 06/13/25 14:45  
**Date Received:** 06/19/25  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>PHYSICAL PROPERTIES</b>							
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/20/25 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:** B25061769-002  
**Client Sample ID:** Outfall 001A

**Report Date:** 06/27/25  
**Collection Date:** 06/16/25 14:50  
**Date Received:** 06/19/25  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>PHYSICAL PROPERTIES</b>							
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/20/25 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:** B25061769-003  
**Client Sample ID:** Outfall 001A

**Report Date:** 06/27/25  
**Collection Date:** 06/18/25 14:10  
**Date Received:** 06/19/25  
**Matrix:** Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
<b>PHYSICAL PROPERTIES</b>							
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/20/25 10:01 / pjw
<b>AGGREGATE ORGANICS</b>							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	06/20/25 14:16 / 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: B25061769

Report Date: 06/25/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: TSS20250620A		
Lab ID: MBLK_20250620-5	Method Blank					Run: BAL #30_250620D		06/20/25 09:59		
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20250620-3	Laboratory Control Sample					Run: BAL #30_250620D		06/20/25 09:59		
Solids, Total Suspended TSS @ 105 C		106	mg/L	25	106	80	120			
Lab ID: B25061772-001BDUP	Sample Duplicate					Run: BAL #30_250620D		06/20/25 10:01		
Solids, Total Suspended TSS @ 105 C		14.3	mg/L	10				2.3	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: B25061769

Report Date: 06/25/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4								Analytical Run: SPEC3_250620B		
Lab ID: CCV-200809	Continuing Calibration Verification Standard									06/20/25 14:16
Oxygen Demand, Chemical (COD)		50.2	mg/L	5.0	100	90	110			
Method: E410.4								Batch: 200809		
Lab ID: MB-200809	Method Blank					Run: SPEC3_250620B			06/20/25 14:16	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-200809	Laboratory Control Sample					Run: SPEC3_250620B			06/20/25 14:16	
Oxygen Demand, Chemical (COD)		25.3	mg/L	5.0	104	90	110			
Lab ID: B25061769-003BMS	Sample Matrix Spike					Run: SPEC3_250620B			06/20/25 14:16	
Oxygen Demand, Chemical (COD)		22.8	mg/L	5.0	93	90	110			
Lab ID: B25061769-003BMSD	Sample Matrix Spike Duplicate					Run: SPEC3_250620B			06/20/25 14:16	
Oxygen Demand, Chemical (COD)		24.4	mg/L	5.0	100	90	110	7.1	10	

### Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)





# Work Order Receipt Checklist

Linkan Engineering

B25061769

Login completed by: Darcy Chirrick

Date Received: 6/19/2025

Reviewed by: lcadreau

Received by: SRG

Reviewed Date: 6/26/2025

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:	2.6°C Blue 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 checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

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## 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.


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## Contact and Corrective Action Comments:

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

## Laboratory Certifications and Accreditations

Current certificates are available at [www.energylab.com](http://www.energylab.com) website:

	Agency	Number
<b>Billings, MT</b>    	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
<b>Casper, WY</b>  	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
<b>Gillette, WY</b>	US EPA Region VIII	WY00006
<b>Helena, MT</b>	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](http://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	<input type="checkbox"/> Hard Copy <input type="checkbox"/> Email
Purchase Order	Quote H17287
25-0152	Bottle Order 186843

## 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

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	Byant Accardo
Sample Origin	State of 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) Byproduct Material (Can ONLY be Submitted to ELI Casper Location)	

## Matrix Codes

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

## Analysis Requested

Total Suspended Solids	
Chemical Oxygen Demand	

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		Number of Containers	Matrix (See Codes Above)	Total Suspended Solids	Chemical Oxygen Demand	See Attached	RUSH TAT	ELI LAB ID Laboratory Use Only
	Date	Time							
1 Outfall 001A	6/13/25	1445	1	W					628061769
2 Outfall 001A	6/16/25	1450	1	W					
3 Outfall 001A	6/18/25	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) Byant Accardo	Signature [Signature]	Date/Time 6/18/25/6:00								
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	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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www.energylab.com

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

## BOTTLE ORDER 186843



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

**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](http://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: 9/10/2024  
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

500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		<input checked="" type="checkbox"/> H2SO4		1
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### 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
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Comments

<input checked="" type="checkbox"/> HNO3 - Nitric Acid	<input checked="" type="checkbox"/> H2SO4 - Sulfuric Acid	<input checked="" type="checkbox"/> NaOH - Sodium Hydroxide	<b>We strongly suggest that the samples are shipped the same day as they are collected.</b>				
<input checked="" type="checkbox"/> ZnAc - Zinc Acetate	<input checked="" type="checkbox"/> HCl - Hydrochloric Acid	<input checked="" type="checkbox"/> 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#: 186843

1 of 1