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## B25090475\_Schwartzwalder Mine

1 message

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Stacie M. Helms <SHelms@energylab.com>

Tue, Sep 16, 2025 at 12:25 PM

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

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### 2 attachments

 **B25090475-EDD-ELICSV-WITH-HEADER-1.CSV**  
2K



**B25090475-FINAL REPORT-1.PDF**

1677K



## ANALYTICAL SUMMARY REPORT

September 16, 2025

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

Work Order: B25090475 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 9/5/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25090475-001	Outfall 001A	08/29/25 12:45	09/05/25	Aqueous	Solids, Total Suspended
B25090475-002	Outfall 001A	09/02/25 13:45	09/05/25	Aqueous	Same As Above
B25090475-003	Outfall 001A	09/03/25 14:00	09/05/25	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.



**CLIENT:** Linkan Engineering  
**Project:** Schwartzwalder Mine  
**Work Order:** B25090475

**Report Date:** 09/16/25

## **CASE NARRATIVE**

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Tests associated with analyst identified as ELI-H were subcontracted to Energy Laboratories, 3161 East Lyndale Ave, Helena, MT, EPA Number MT00945.



## LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

**Client:** Linkan Engineering  
**Project:** Schwartzwalder Mine  
**Lab ID:** B25090475-001  
**Client Sample ID:** Outfall 001A

**Report Date:** 09/16/25  
**Collection Date:** 08/29/25 12:45  
**Date Received:** 09/05/25  
**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	09/05/25 16:09 / pmw

**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:** B25090475-002  
**Client Sample ID:** Outfall 001A

**Report Date:** 09/16/25  
**Collection Date:** 09/02/25 13:45  
**Date Received:** 09/05/25  
**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	09/09/25 10:09 / 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:** B25090475-003  
**Client Sample ID:** Outfall 001A

**Report Date:** 09/16/25  
**Collection Date:** 09/03/25 14:00  
**Date Received:** 09/05/25  
**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	09/09/25 10:09 / pjw
<b>AGGREGATE ORGANICS</b>							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	09/11/25 09:56 / eli-h

**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 Helena, MT Branch

Work Order: B25090475

Report Date: 09/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: E410.4</b> Analytical Run: UV-1900i_250911A										
<b>Lab ID: CCV_20250911-1</b> Continuing Calibration Verification Standard 09/11/25 09:52										
Oxygen Demand, Chemical (COD)		51.6	mg/L	5.0	103	90	110			
<b>Method: E410.4</b> Batch: 79914										
<b>Lab ID: MB-79914</b> Method Blank Run: UV-1900i_250911A 09/11/25 09:52										
Oxygen Demand, Chemical (COD)		ND	mg/L	4						
<b>Lab ID: LCS-79914</b> Laboratory Control Sample Run: UV-1900i_250911A 09/11/25 09:52										
Oxygen Demand, Chemical (COD)		62.8	mg/L	5.0	105	90	110			
<b>Lab ID: H25090312-001CMS</b> Sample Matrix Spike Run: UV-1900i_250911A 09/11/25 09:55										
Oxygen Demand, Chemical (COD)		59.4	mg/L	5.0	99	90	110			
<b>Lab ID: H25090312-001CMSD</b> Sample Matrix Spike Duplicate Run: UV-1900i_250911A 09/11/25 09:55										
Oxygen Demand, Chemical (COD)		60.9	mg/L	5.0	102	90	110	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: B25090475

Report Date: 09/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
<b>Method: A2540 D</b>										Batch: TSS20250905A
<b>Lab ID: MBLK_20250905-9</b>		Method Blank					Run: BAL #30_250905D			09/05/25 16:08
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
<b>Lab ID: LCS_20250905-6</b>		Laboratory Control Sample					Run: BAL #30_250905D			09/05/25 16:08
Solids, Total Suspended TSS @ 105 C		98.0	mg/L	25	98	80	120			
<b>Lab ID: B25090240-001BDUP</b>		Sample Duplicate					Run: BAL #30_250905D			09/05/25 17:07
Solids, Total Suspended TSS @ 105 C		57.0	mg/L	12				6.0	10	
<b>Method: A2540 D</b>										Batch: TSS20250909A
<b>Lab ID: MBLK_20250909-3</b>		Method Blank					Run: BAL #30_250909A			09/09/25 10:09
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
<b>Lab ID: LCS_20250909-1</b>		Laboratory Control Sample					Run: BAL #30_250909A			09/09/25 10:09
Solids, Total Suspended TSS @ 105 C		99.0	mg/L	25	99	80	120			
<b>Lab ID: B25090462-001BDUP</b>		Sample Duplicate					Run: BAL #30_250909A			09/09/25 10:09
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)



# Work Order Receipt Checklist

Linkan Engineering

B25090475

Login completed by: Crystal M. Jones

Date Received: 9/5/2025

Reviewed by: cindy

Received by: EGC

Reviewed Date: 9/14/2025

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:	4.3°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"/>

## 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](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



[www.energylab.com](http://www.energylab.com)

### Account Information *(Billing information)*

### Report Information (if different than Account Information)

## Comments

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/Formats:	
<input type="checkbox"/> LEVEL IV	<input type="checkbox"/> NELAC <input checked="" type="checkbox"/> EDD/EDT (contact laboratory) <input type="checkbox"/> Other_____

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	Receive Report <input type="checkbox"/> Hard Copy <input checked="" type="checkbox"/> Email
Purchase Order	Quote	Bottle Order	
25-0152	H17287		195243

## Project Information

[illegible]

Project Information		Project Name, PWSID, Permit, etc. Schwartzwalder Mine	
Sampler Name	Sampler Phone	7/238/Galena	
Sample Origin State	EPAS/State Compliance	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>URANIUM MINING CLIENTS MUST indicate sample type</b> <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)			
Sample Identification (Name, Location, Interval, etc.)		Collection Date	Time
1 Outfall 001A		8-29	124
2 Outfall 001A		9-2	134
3 Outfall 001A		9-3	140
4			
5			
6			
7			
8			
9			

**ELL 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.

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.