



B25091142_Schwartzwalder Mine

1 message

Stacie M. Helms <SHelms@energylab.com>

Thu, Sep 18, 2025 at 11:08 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

 **B25091142-EDD-1.CSV**
2K



B25091142-FINAL REPORT-1.PDF

1264K



ANALYTICAL SUMMARY REPORT

September 18, 2025

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

Work Order: B25091142 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 9/11/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25091142-001	Outfall 001A	09/05/25 14:10	09/11/25	Aqueous	Solids, Total Suspended
B25091142-002	Outfall 001A	09/08/25 14:25	09/11/25	Aqueous	Same As Above
B25091142-003	Outfall 001A	09/10/25 14:05	09/11/25	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: B25091142-001
Client Sample ID: Outfall 001A

Report Date: 09/18/25
Collection Date: 09/05/25 14:10
Date Received: 09/11/25
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	09/11/25 18:25 / 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: B25091142-002
Client Sample ID: Outfall 001A

Report Date: 09/18/25
Collection Date: 09/08/25 14:25
Date Received: 09/11/25
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	09/11/25 18:25 / 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: B25091142-003
Client Sample ID: Outfall 001A

Report Date: 09/18/25
Collection Date: 09/10/25 14:05
Date Received: 09/11/25
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	09/11/25 18:25 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	09/15/25 16:38 / 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: B25091142

Report Date: 09/17/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D								Batch: TSS20250911C		
Lab ID: MBLK_20250911-20	Method Blank					Run: BAL #30_250911C		09/11/25 18:23		
Solids, Total Suspended TSS @ 105 C	ND	mg/L		0.6						
Lab ID: LCS_20250911-9	Laboratory Control Sample					Run: BAL #30_250911C		09/11/25 18:23		
Solids, Total Suspended TSS @ 105 C	105	mg/L		25	105	80	120			
Lab ID: B25090948-004BDUP	Sample Duplicate					Run: BAL #30_250911C		09/11/25 18:25		
Solids, Total Suspended TSS @ 105 C	38.5	mg/L		12				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: B25091142

Report Date: 09/17/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Analytical Run: SPEC3_250915B
Lab ID: CCV-203276										Continuing Calibration Verification Standard
Oxygen Demand, Chemical (COD)										09/15/25 16:38
		50.3	mg/L	5.0	101	90	110			
Method: E410.4										Batch: 203276
Lab ID: MB-203276										Method Blank
Oxygen Demand, Chemical (COD)										Run: SPEC3_250915B
		ND	mg/L	3						09/15/25 16:37
Lab ID: LCS-203276										Laboratory Control Sample
Oxygen Demand, Chemical (COD)										Run: SPEC3_250915B
		22.6	mg/L	5.0	93	90	110			09/15/25 16:37
Lab ID: B25091142-003BMS										Sample Matrix Spike
Oxygen Demand, Chemical (COD)										Run: SPEC3_250915B
		26.1	mg/L	5.0	107	90	110			09/15/25 16:38
Lab ID: B25091142-003BMSD										Sample Matrix Spike Duplicate
Oxygen Demand, Chemical (COD)										Run: SPEC3_250915B
		25.2	mg/L	5.0	103	90	110	3.2	10	09/15/25 16:38

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)



Work Order Receipt Checklist

Linkan Engineering

B25091142

Login completed by: Misty Stephens

Date Received: 9/11/2025

Reviewed by: cindy

Received by: DNH

Reviewed Date: 9/17/2025

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:	5.7°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 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 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

