Permits and Enforcement Section
Water Quality Control Division
CPDHE
4300 Cherry Creek Dr. South
Denver, CO 80246-1530

08/28/2025
25US0221

Re: Discharge Monitoring Report for July 2025
Schwartzwalder Mine CO0001244

TO WHOM IT MAY CONCERN:

On February 10th, 2025 the operations contract for the Schwartzwalder Mine was awarded and the contract started on April 1st, 2025.

During the month of July 2025, there was an exceedance for Total Recoverable arsenic at Outfall 001A. Section 7 of *Amendment Number One to Compliance Order on Consent, Number: IC-150123-1*, amended the Total Recoverable arsenic value to "Report" for the 30-day average. As a new permit has not been issued and discussions with the State indicated no deviation from the "Report" only at this time.

The Total Suspended Solids (TSS) samples taken on July 4th, 7th and 9th were incorrectly analyzed for Total Dissolved Solids (TDS) because of a mistake from Energy Labs. The mistake wasn't found until after the holding time. Attached is a letter from Energy Labs describing the issue. All other TSS samples during the month of July were Non-Detect (ND). Energy Labs assures this mistake will not happen in the future.

Best regards,
Linkan

Patrick M. Delaney
Operator Responsible in Charge (ORC)
Black Fox Mining, LLC

Enclosures:

July 2025 DMR Submittal
Letter from Energy Labs

CC List:

Electronic Copy sent to the following:

Peter Hays, CDNR, peter.hays@state.co.us
Quinn Westmoreland, Linkan, quinn.westmoreland@linkan.com
Adam Billin, Linkan, adam.billin@linkan.com
Chris Prosper, Linkan, chris.prosper@linkan.com
Sam Billin, Linkan, sam.billin@linkan.com
Jared Buck, Linkan, jared.buck@linkan.com
Brandy Wadford, Linkan, brandy.wadford@linkan.com
Alex Schwiebert, Linkan, alex.schwiebert@linkan.com

CLIENT: Linkan Engineering
Project: Schwartzwalder Mine
Work Order: B25070838

Revised Date: 08/28/25
Report Date: 07/16/25

CASE NARRATIVE

Revised Report 8/28/2025;

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

ANALYTICAL SUMMARY REPORT

August 11, 2025

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

Work Order: B25071646 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/18/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071646-001	Outfall 001A	07/15/25 14:30	07/18/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorimetric

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: B25071646

Report Date: 08/11/25

CASE NARRATIVE

Tests associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071646-001
Client Sample ID: Outfall 001A

Report Date: 08/11/25
Collection Date: 07/15/25 14:30
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	1	mg/L		1		E300.0	07/19/25 00:56 / caa
Sulfate	8	mg/L		1		E300.0	07/19/25 00:56 / caa
Fluoride	0.02	mg/L	J	0.1		E300.0	07/19/25 00:56 / caa
Cyanide, Weak Acid Dissociable	ND	ug/L		1		Kelada-01	07/18/25 13:30 / fap
Sulfide	ND	mg/L		0.04		A4500-S D	07/21/25 16:59 / pmw
METALS, DISSOLVED							
Chromium, Hexavalent	ND	ug/L	H	10		A3500-Cr B	07/18/25 15:29 / mjb
Iron	10	ug/L	J	20		E200.8	07/22/25 18:52 / aem
Manganese	1	ug/L		1		E200.8	07/22/25 18:52 / aem
METALS, POTENTIALLY DISSOLVED							
Cadmium	ND	ug/L		1		E200.8	07/22/25 21:13 / aem
Copper	0.1	ug/L	JL	0.5		E200.8	07/23/25 17:19 / aem
Nickel	0.2	ug/L	J	5		E200.8	07/22/25 21:13 / aem
Selenium	ND	ug/L		1		E200.8	07/22/25 21:13 / aem
Silver	ND	ug/L	L	0.04		E200.8	07/22/25 21:13 / aem
Zinc	5	ug/L	J	10		E200.8	07/22/25 21:13 / aem
METALS, TOTAL RECOVERABLE							
Arsenic	6	ug/L		1		E200.8	07/26/25 10:25 / jks
Chromium	ND	ug/L		5		E200.8	07/26/25 10:25 / jks
Chromium, Trivalent	ND	ug/L		10		0	07/28/25 08:24 / bap
Iron	20	ug/L		20		E200.8	07/26/25 10:25 / jks
Uranium	9	ug/L		0.3		E200.8	07/26/25 10:25 / jks
METALS, TOTAL							
Antimony	ND	ug/L		1		E200.8	07/26/25 10:25 / jks
Boron	180	ug/L		50		E200.7	07/23/25 15:31 / jaw
Mercury	ND	ug/L		0.1		E245.1	07/21/25 16:39 / mjb
Thallium	ND	ug/L		0.5		E200.8	07/26/25 10:25 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	0.1	pCi/L	U			E903.0	08/07/25 13:18 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 13:18 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/07/25 13:18 / eli-ca
RADIONUCLIDES - TOTAL							
Radium 226	0.1	pCi/L	U			E903.0	08/06/25 17:15 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/06/25 17:15 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/06/25 17:15 / eli-ca
Radium 228	0.4	pCi/L	U			RA-05	07/30/25 16:02 / eli-ca
Radium 228 precision (±)	0.5	pCi/L				RA-05	07/30/25 16:02 / eli-ca
Radium 228 MDC	0.9	pCi/L				RA-05	07/30/25 16:02 / eli-ca
Radium 226 + Radium 228	0.5	pCi/L	U			A7500-RA	08/07/25 10:47 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit
MCL - Maximum Contaminant Level
QCL - Quality Control Limit
ND - Not detected at the Reporting Limit (RL)
H - Analysis performed past the method holding time
J - Estimated value - analyte was present but less than the Reporting Limit (RL)
L -Lowest available reporting limit for the analytical method used and/or volume submitted
U - Not detected

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071646-001
Client Sample ID: Outfall 001A

Report Date: 08/11/25
Collection Date: 07/15/25 14:30
DateReceived: 07/18/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.6	pCi/L				A7500-RA	08/07/25 10:47 / eli-ca
Radium 226 + Radium 228 MDC	0.9	pCi/L				A7500-RA	08/07/25 10:47 / eli-ca

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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A3500-Cr B**									Analytical Run: SPEC3_250718A	
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/18/25 11:28	
Chromium, Hexavalent		0.0990	mg/L	0.010	99	90	110			
Method: **A3500-Cr B**									Batch: R446058	
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		ND	mg/L	0.003						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0962	mg/L	0.010	96	90	110			
Lab ID: **B25071621-001AMS**		Sample Matrix Spike				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0934	mg/L	0.010	93	80	120			
Lab ID: **B25071621-001AMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250718A			07/18/25 11:28	
Chromium, Hexavalent		0.0911	mg/L	0.010	91	80	120	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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-S D**										Batch: R446162
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		ND	mg/L	0.01						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.191	mg/L	0.040	99	85	115			
Lab ID: **B25071655-001HMS**		Sample Matrix Spike				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.365	mg/L	0.040	95	70	130			
Lab ID: **B25071655-001HMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250721A				07/21/25 16:59
Sulfide		0.367	mg/L	0.040	95	70	130	0.5	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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**									Analytical Run: ICP205-B_250723A	
Lab ID: **ICV**		Continuing Calibration Verification Standard							07/23/25 13:20	
Boron		2.49	mg/L	0.10	100	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/23/25 15:21	
Boron		2.50	mg/L	0.10	100	90	110			
Method: **E200.7**									Batch: 201686	
Lab ID: **MB-201686**		Method Blank				Run: ICP205-B_250723A			07/23/25 15:16	
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-201686**		Laboratory Control Sample				Run: ICP205-B_250723A			07/23/25 15:17	
Boron		1.04	mg/L	0.050	104	85	115			
Lab ID: **B25071614-001BMS3**		Sample Matrix Spike				Run: ICP205-B_250723A			07/23/25 15:25	
Boron		2.13	mg/L	0.10	106	70	130			
Lab ID: **B25071614-001BMSD3**		Sample Matrix Spike Duplicate				Run: ICP205-B_250723A			07/23/25 15:26	
Boron		2.14	mg/L	0.10	107	70	130	0.8	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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS207-B_250721A	
Lab ID: QCS	7	Initial Calibration Verification Standard								07/22/25 18:11
Cadmium		0.0195	mg/L	0.0010	97	90	110			
Iron		0.190	mg/L	0.020	95	90	110			
Manganese		0.191	mg/L	0.0050	96	90	110			
Nickel		0.0376	mg/L	0.0050	94	90	110			
Selenium		0.0383	mg/L	0.0050	96	90	110			
Silver		0.0188	mg/L	0.0050	94	90	110			
Zinc		0.0378	mg/L	0.0050	95	90	110			
Lab ID: CCV	7	Continuing Calibration Verification Standard								07/22/25 18:17
Cadmium		0.0488	mg/L	0.0010	98	90	110			
Iron		1.23	mg/L	0.020	95	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Nickel		0.0473	mg/L	0.0050	95	90	110			
Selenium		0.0487	mg/L	0.0050	97	90	110			
Silver		0.0196	mg/L	0.0050	98	90	110			
Zinc		0.0477	mg/L	0.0050	95	90	110			
Lab ID: CCV	7	Continuing Calibration Verification Standard								07/22/25 20:55
Cadmium		0.0490	mg/L	0.0010	98	90	110			
Iron		1.27	mg/L	0.020	98	90	110			
Manganese		0.0486	mg/L	0.0050	97	90	110			
Nickel		0.0476	mg/L	0.0050	95	90	110			
Selenium		0.0503	mg/L	0.0050	101	90	110			
Silver		0.0202	mg/L	0.0050	101	90	110			
Zinc		0.0471	mg/L	0.0050	94	90	110			
Method: E200.8										Batch: R446131
Lab ID: LRB	7	Method Blank				Run: ICPMS207-B_250721A				07/21/25 11:33
Cadmium		ND	mg/L	3E-6						
Iron		ND	mg/L	0.001						
Manganese		ND	mg/L	0.00003						
Nickel		ND	mg/L	0.0001						
Selenium		0.00008	mg/L	0.00003						
Silver		ND	mg/L	3E-6						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	7	Laboratory Fortified Blank				Run: ICPMS207-B_250721A				07/21/25 11:57
Cadmium		0.0476	mg/L	0.0010	95	85	115			
Iron		5.21	mg/L	0.020	104	85	115			
Manganese		0.0516	mg/L	0.0050	103	85	115			
Nickel		0.0487	mg/L	0.0050	97	85	115			
Selenium		0.0496	mg/L	0.0050	99	85	115			
Silver		0.0193	mg/L	0.0050	96	85	115			
Zinc		0.0502	mg/L	0.0050	100	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R446131
Lab ID: B25071646-001BMS	7	Sample Matrix Spike				Run: ICPMS207-B_250721A				07/22/25 18:58
Cadmium		0.0481	mg/L	0.0010	96	70	130			
Iron		4.88	mg/L	0.020	97	70	130			
Manganese		0.0496	mg/L	0.0010	97	70	130			
Nickel		0.0462	mg/L	0.0050	92	70	130			
Selenium		0.0479	mg/L	0.0010	96	70	130			
Silver		0.0190	mg/L	0.0010	95	70	130			
Zinc		0.0473	mg/L	0.010	91	70	130			
Lab ID: B25071646-001BMSD	7	Sample Matrix Spike Duplicate				Run: ICPMS207-B_250721A				07/22/25 19:04
Cadmium		0.0498	mg/L	0.0010	100	70	130	3.5	20	
Iron		5.01	mg/L	0.020	100	70	130	2.6	20	
Manganese		0.0514	mg/L	0.0010	101	70	130	3.6	20	
Nickel		0.0475	mg/L	0.0050	95	70	130	2.8	20	
Selenium		0.0498	mg/L	0.0010	100	70	130	3.9	20	
Silver		0.0197	mg/L	0.0010	98	70	130	3.3	20	
Zinc		0.0486	mg/L	0.010	94	70	130	2.7	20	
Lab ID: MB-201683	7	Method Blank				Run: ICPMS207-B_250721A				07/22/25 21:07
Cadmium		ND	mg/L	9E-6						
Iron		0.004	mg/L	0.001						
Manganese		ND	mg/L	0.00003						
Nickel		0.0001	mg/L	0.0001						
Selenium		ND	mg/L	0.00003						
Silver		ND	mg/L	3E-6						
Zinc		0.001	mg/L	0.001						
Method: E200.8										Analytical Run: ICPMS208-B_250725A
Lab ID: QCS	6	Initial Calibration Verification Standard								07/26/25 03:42
Antimony		0.0385	mg/L	0.0050	96	90	110			
Arsenic		0.0384	mg/L	0.0050	96	90	110			
Chromium		0.0380	mg/L	0.010	95	90	110			
Iron		0.203	mg/L	0.020	102	90	110			
Thallium		0.0395	mg/L	0.0050	99	90	110			
Uranium		0.0368	mg/L	0.00030	92	90	110			
Lab ID: CCV	6	Continuing Calibration Verification Standard								07/26/25 09:56
Antimony		0.0495	mg/L	0.0050	99	90	110			
Arsenic		0.0472	mg/L	0.0050	94	90	110			
Chromium		0.0465	mg/L	0.010	93	90	110			
Iron		1.31	mg/L	0.020	101	90	110			
Thallium		0.0456	mg/L	0.0050	91	90	110			
Uranium		0.0474	mg/L	0.00030	95	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS209-B_250723A
Lab ID: QCS		Initial Calibration Verification Standard								07/23/25 16:34
Copper		0.0365	mg/L	0.010	91	90	110			
Lab ID: CCV		Continuing Calibration Verification Standard								07/23/25 16:39
Copper		0.0467	mg/L	0.010	93	90	110			
Method: E200.8										Batch: 201686
Lab ID: MB-201686	6	Method Blank				Run: ICPMS209-B_250723A				07/25/25 03:10
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0003						
Iron		ND	mg/L	0.004						
Thallium		ND	mg/L	0.00008						
Uranium		ND	mg/L	0.00001						
Lab ID: LCS4-201686	6	Laboratory Control Sample				Run: ICPMS209-B_250723A				07/25/25 03:15
Antimony		0.0985	mg/L	0.0050	99	85	115			
Arsenic		0.0912	mg/L	0.0010	91	85	115			
Chromium		0.0900	mg/L	0.0010	90	85	115			
Iron		0.489	mg/L	0.010	98	85	115			
Thallium		0.0947	mg/L	0.0010	95	85	115			
Uranium		0.0921	mg/L	0.00030	92	85	115			
Lab ID: B25071606-002EMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250723A				07/25/25 06:15
Antimony		0.107	mg/L	0.0010	107	70	130			
Arsenic		0.0915	mg/L	0.0010	91	70	130			
Chromium		0.0901	mg/L	0.0050	90	70	130			
Iron		0.491	mg/L	0.020	96	70	130			
Thallium		0.0998	mg/L	0.00050	100	70	130			
Uranium		0.0972	mg/L	0.00030	97	70	130			
Lab ID: B25071606-002EMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A				07/25/25 06:20
Antimony		0.103	mg/L	0.0010	103	70	130	3.6	20	
Arsenic		0.0912	mg/L	0.0010	91	70	130	0.3	20	
Chromium		0.0901	mg/L	0.0050	90	70	130	0.0	20	
Iron		0.493	mg/L	0.020	97	70	130	0.3	20	
Thallium		0.0975	mg/L	0.00050	98	70	130	2.3	20	
Uranium		0.0975	mg/L	0.00030	97	70	130	0.3	20	
Method: E200.8										Batch: R446300
Lab ID: LRB		Method Blank				Run: ICPMS209-B_250723A				07/23/25 11:27
Copper		ND	mg/L	0.00005						
Lab ID: LFB		Laboratory Fortified Blank				Run: ICPMS209-B_250723A				07/23/25 11:44
Copper		0.0459	mg/L	0.010	92	85	115			
Lab ID: MB-201683		Method Blank				Run: ICPMS209-B_250723A				07/23/25 17:14
Copper		0.0009	mg/L	0.00005						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Batch: R446300
Lab ID: **B25071646-001DMS**		Sample Matrix Spike				Run: ICPMS209-B_250723A				07/23/25 17:25
Copper		0.0448	mg/L	0.0050	89	70	130			
Lab ID: **B25071646-001DMSD**		Sample Matrix Spike Duplicate				Run: ICPMS209-B_250723A				07/23/25 17:30
Copper		0.0455	mg/L	0.0050	91	70	130	1.5	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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**									Analytical Run: HGCV203-B_250721A	
Lab ID: **ICV-201625**		Initial Calibration Verification Standard							07/21/25 15:09	
Mercury		0.00211	mg/L	0.00010	106	90	110			
Lab ID: **CCV1**		Continuing Calibration Verification Standard							07/21/25 15:10	
Mercury		0.00253	mg/L	0.00010	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard							07/21/25 16:34	
Mercury		0.00251	mg/L	0.00010	100	90	110			
Method: **E245.1**									Batch: 201655	
Lab ID: **MB-201655**		Method Blank				Run: HGCV203-B_250721A			07/21/25 16:12	
Mercury		ND	mg/L	0.00006						
Lab ID: **LCS-201655**		Laboratory Control Sample				Run: HGCV203-B_250721A			07/21/25 16:13	
Mercury		0.00212	mg/L	0.00010	106	85	115			
Lab ID: **B25071652-003BMS**		Sample Matrix Spike				Run: HGCV203-B_250721A			07/21/25 16:45	
Mercury		0.00212	mg/L	0.00010	106	70	130			
Lab ID: **B25071652-003BMSD**		Sample Matrix Spike Duplicate				Run: HGCV203-B_250721A			07/21/25 16:46	
Mercury		0.00210	mg/L	0.00010	105	70	130	0.8	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Analytical Run: IC METROHM 1_250717A	
Lab ID: ICV	3	Initial Calibration Verification Standard							07/17/25 11:39	
Chloride		25.6	mg/L	1.0	103	90	110			
Sulfate		103	mg/L	1.0	103	90	110			
Fluoride		1.24	mg/L	0.10	100	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard							07/18/25 23:17	
Chloride		26.4	mg/L	1.0	106	90	110			
Sulfate		107	mg/L	1.0	107	90	110			
Fluoride		1.29	mg/L	0.10	103	90	110			
Method: E300.0									Batch: R446054	
Lab ID: ICB	3	Method Blank				Run: IC METROHM 1_250717A			07/17/25 11:56	
Chloride		ND	mg/L	0.1						
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	3	Laboratory Fortified Blank				Run: IC METROHM 1_250717A			07/17/25 12:12	
Chloride		25.8	mg/L	1.0	103	90	110			
Sulfate		105	mg/L	1.1	105	90	110			
Fluoride		1.28	mg/L	0.10	102	90	110			
Lab ID: B25071563-003AMS	3	Sample Matrix Spike				Run: IC METROHM 1_250717A			07/18/25 23:50	
Chloride		51.0	mg/L	1.0	94	90	110			
Sulfate		215	mg/L	1.0	94	90	110			
Fluoride		1.19	mg/L	0.10	94	90	110			
Lab ID: B25071563-003AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 1_250717A			07/19/25 00:06	
Chloride		51.2	mg/L	1.0	95	90	110	0.4	20	
Sulfate		216	mg/L	1.0	94	90	110	0.3	20	
Fluoride		1.20	mg/L	0.10	94	90	110	0.6	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: B25071646 **Report Date:** 07/28/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**										Analytical Run: SFA-202-B_250718A
Lab ID: **ICV**		Initial Calibration Verification Standard								07/18/25 11:36
Cyanide, Weak Acid Dissociable		0.0101	mg/L	0.0010	101	90	110			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/18/25 12:25
Cyanide, Weak Acid Dissociable		0.0104	mg/L	0.0010	104	90	110			
Method: **Kelada-01**										Batch: R446065
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250718A				07/18/25 11:37
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250718A				07/18/25 11:39
Cyanide, Weak Acid Dissociable		0.0102	mg/L	0.0010	102	90	110			
Lab ID: **LCS1-ZnCN**		Laboratory Control Sample				Run: SFA-202-B_250718A				07/18/25 11:41
Cyanide, Weak Acid Dissociable		0.00989	mg/L	0.0010	99	90	110			
Lab ID: **B25071478-001EMS**		Sample Matrix Spike				Run: SFA-202-B_250718A				07/18/25 12:05
Cyanide, Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120			
Lab ID: **B25071478-001EMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250718A				07/18/25 12:09
Cyanide, Weak Acid Dissociable		0.0112	mg/L	0.0010	112	80	120	0.2	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071646 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: RA226-11760	
Lab ID: LCS-RA226-11760	3	Laboratory Control Sample				Run: TENNELEC-3_250728A			08/07/25 13:18	
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3	Method Blank				Run: TENNELEC-3_250728A			08/07/25 13:18	
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDUP	3	Sample Duplicate				Run: TENNELEC-3_250728A			08/07/25 15:40	
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0									Batch: RA226-11758	
Lab ID: LCS-RA226-11758	3	Laboratory Control Sample				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		10	pCi/L		105	70	130			
Radium 226 precision (±)		1.7	pCi/L							
Radium 226 MDC		0.15	pCi/L							
Lab ID: MB-RA226-11758	3	Method Blank				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		-0.04	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070583-002EDUP	3	Sample Duplicate				Run: TENNELEC-4_250723D			08/06/25 16:47	
Radium 226		1.6	pCi/L					8.1	30	
Radium 226 precision (±)		0.35	pCi/L							
Radium 226 MDC		0.26	pCi/L							
- The RER result is 0.26.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071646 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7721R
Lab ID: LCS-228-RA226-11758	3	Laboratory Control Sample				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		7.2	pCi/L		78	70	130			
Radium 228 precision (±)		1.9	pCi/L							
Radium 228 MDC		0.74	pCi/L							
Lab ID: MB-RA226-11758	3	Method Blank				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		0.4	pCi/L							U
Radium 228 precision (±)		0.5	pCi/L							
Radium 228 MDC		0.8	pCi/L							
Lab ID: C25070583-002EDUP	3	Sample Duplicate				Run: TENNELEC-4_250723B				07/30/25 16:02
Radium 228		4.0	pCi/L					11	30	
Radium 228 precision (±)		1.3	pCi/L							
Radium 228 MDC		1.0	pCi/L							

- The RER result is 0.26.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

Work Order Receipt Checklist

Linkan Engineering

B25071646

Login completed by: Crystal M. Jones
Date Received: 7/18/2025
Reviewed by: mstephens
Received by: TAR
Reviewed Date: 7/21/2025
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:	11.9°C Melted 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:

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

Work Order Receipt Checklist - Continued

Linkan Engineering B25071646

pH < 2.

The sample for hexavalent chromium was received past the 24-hour hold time. Proceed with analysis past hold per phone conversation with Chris Prosper on 07/18/25. CMJ 07/18/25

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

ENERGY LABORATORIES
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
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

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 - Bi-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 Acevedo | Sampler Phone 7/238/6169

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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Hexavalent Chromium	Metals, Dissolved	Metals, Total Recoverable	Metals, Potentially Dissolved	Cyanide, WAD	Sulfide, Methylene Blue Colorimetric	Radium 226, Dissolved	Radium 226 + Radium 228		See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/15/25	1430	8	W										●		B25071646
2															●		
3																	
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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/15/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print) Tricee Riley	Date/Time 07/16/25 1030	Signature

LABORATORY USE ONLY

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 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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **Linkan Engineering**

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
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4	Chemical Oxygen Demand		H2SO4		1
		HACH 8000	Preparation for COD testing HACH 8000				
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
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B	Chromium, Hexavalent	24.00 hrs			1
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HNO3		1
		Calculation	Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

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

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.

ANALYTICAL SUMMARY REPORT

August 08, 2025

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

Work Order: B25071973 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 1 sample for Linkan Engineering on 7/23/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071973-001	Outfall 001A	07/22/25 14:20	07/23/25	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Potentially Dissolved Metals by ICP/ICPMS, Total Recoverable Cyanide, Weak Acid Dissociable Chromium, Hexavalent Chromium, Total Recoverable Trivalent Mercury, Total Anions by Ion Chromatography Metals Digestion by E200.2 Preparation, Potentially Dissolved Filtration Mercury Digestion by E245.1 Radium 226 + Radium 228 Radium 226, Dissolved Radium 226, Total Radium 228, Total Sulfide, Methylene Blue Colorimetric

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: B25071973-001
Client Sample ID: Outfall 001A

Report Date: 08/08/25
Collection Date: 07/22/25 14:20
DateReceived: 07/23/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	2	mg/L		1		E300.0	07/23/25 22:27 / caa
Sulfate	12	mg/L		1		E300.0	07/23/25 22:27 / caa
Fluoride	0.02	mg/L	J	0.1		E300.0	07/23/25 22:27 / caa
Cyanide, Weak Acid Dissociable	ND	ug/L		1		Kelada-01	07/24/25 15:06 / fap
Sulfide	ND	mg/L		0.04		A4500-S D	07/24/25 11:23 / pmw
METALS, DISSOLVED							
Chromium, Hexavalent	ND	ug/L		10		A3500-Cr B	07/23/25 11:45 / aem
Iron	20	ug/L	J	20		E200.8	07/25/25 23:21 / jks
Manganese	1	ug/L		1		E200.7	07/24/25 16:30 / enb
METALS, POTENTIALLY DISSOLVED							
Cadmium	ND	ug/L		1		E200.8	07/25/25 23:42 / jks
Copper	0.3	ug/L	JL	0.5		E200.8	07/31/25 22:36 / jks
Nickel	0.1	ug/L	J	5		E200.8	07/25/25 23:42 / jks
Selenium	ND	ug/L		1		E200.8	07/25/25 23:42 / jks
Silver	ND	ug/L	L	0.04		E200.8	07/27/25 12:32 / jks
Zinc	ND	ug/L		10		E200.8	07/25/25 23:42 / jks
METALS, TOTAL RECOVERABLE							
Arsenic	4	ug/L		1		E200.8	07/26/25 12:43 / jks
Chromium	ND	ug/L		5		E200.8	07/26/25 12:43 / jks
Chromium, Trivalent	ND	ug/L		10		Calculation	08/01/25 09:17 / jbm
Iron	30	ug/L		20		E200.8	08/01/25 14:30 / aem
Uranium	10.5	ug/L		0.3		E200.8	07/26/25 12:43 / jks
METALS, TOTAL							
Antimony	ND	ug/L		1		E200.8	07/26/25 12:43 / jks
Boron	180	ug/L		50		E200.7	07/25/25 17:07 / enb
Mercury	ND	ug/L		0.1		E245.1	07/24/25 10:24 / mjb
Thallium	ND	ug/L		0.5		E200.8	07/26/25 12:43 / jks
RADIONUCLIDES - DISSOLVED							
Radium 226	0.3	pCi/L				E903.0	08/07/25 15:40 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 15:40 / eli-ca
Radium 226 MDC	0.2	pCi/L				E903.0	08/07/25 15:40 / eli-ca
RADIONUCLIDES - TOTAL							
Radium 226	0.2	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 226 precision (±)	0.1	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 226 MDC	0.1	pCi/L				E903.0	08/07/25 13:15 / eli-ca
Radium 228	0.6	pCi/L	U			RA-05	07/31/25 13:53 / eli-ca
Radium 228 precision (±)	0.5	pCi/L				RA-05	07/31/25 13:53 / eli-ca
Radium 228 MDC	0.8	pCi/L				RA-05	07/31/25 13:53 / eli-ca
Radium 226 + Radium 228	0.6	pCi/L	U			A7500-RA	08/08/25 10:59 / eli-ca

Report Definitions:

RL - Analyte Reporting Limit
QCL - Quality Control Limit
J - Estimated value - analyte was present but less than the Reporting Limit (RL)
U - Not detected
MCL - Maximum Contaminant Level
ND - Not detected at the Reporting Limit (RL)
L -Lowest available reporting limit for the analytical method used and/or volume submitted

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25071973-001
Client Sample ID: Outfall 001A

Report Date: 08/08/25
Collection Date: 07/22/25 14:20
DateReceived: 07/23/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - TOTAL							
Radium 226 + Radium 228 precision (±)	0.5	pCi/L				A7500-RA	08/08/25 10:59 / eli-ca
Radium 226 + Radium 228 MDC	0.8	pCi/L				A7500-RA	08/08/25 10:59 / eli-ca

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 Casper, WY Branch

Work Order: B25071973 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0										Batch: RA226-11760
Lab ID: LCS-RA226-11760	3	Laboratory Control Sample				Run: TENNELEC-3_250728A				08/07/25 13:18
Radium 226		8.8	pCi/L		88	70	130			
Radium 226 precision (±)		1.4	pCi/L							
Radium 226 MDC		0.19	pCi/L							
Lab ID: MB-RA226-11760	3	Method Blank				Run: TENNELEC-3_250728A				08/07/25 13:18
Radium 226		-0.01	pCi/L							U
Radium 226 precision (±)		0.09	pCi/L							
Radium 226 MDC		0.2	pCi/L							
Lab ID: C25070854-002DDUP	3	Sample Duplicate				Run: TENNELEC-3_250728A				08/07/25 15:40
Radium 226		0.033	pCi/L					26	30	U
Radium 226 precision (±)		0.099	pCi/L							
Radium 226 MDC		0.16	pCi/L							
- The RER result is 0.06.										
Method: E903.0										Batch: RA226-11763
Lab ID: LCS-RA226-11763	3	Laboratory Control Sample				Run: TENNELEC-4_250725H				08/07/25 10:20
Radium 226		10	pCi/L		100	70	130			
Radium 226 precision (±)		1.6	pCi/L							
Radium 226 MDC		0.13	pCi/L							
Lab ID: MB-RA226-11763	3	Method Blank				Run: TENNELEC-4_250725H				08/07/25 10:20
Radium 226		0.05	pCi/L							U
Radium 226 precision (±)		0.08	pCi/L							
Radium 226 MDC		0.1	pCi/L							
Lab ID: C25070615-004ADUP	3	Sample Duplicate				Run: TENNELEC-4_250725H				08/07/25 13:15
Radium 226		2.3	pCi/L					2.4	30	
Radium 226 precision (±)		0.43	pCi/L							
Radium 226 MDC		0.15	pCi/L							
- The RER result is 0.09.										

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Casper, WY Branch

Work Order: B25071973 **Report Date:** 08/08/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05										Batch: RA228-7724
Lab ID: LCS-228-RA226-11763	3	Laboratory Control Sample				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		8.2	pCi/L		89	70	130			
Radium 228 precision (±)		2.2	pCi/L							
Radium 228 MDC		0.86	pCi/L							
Lab ID: MB-RA226-11763	3	Method Blank				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		0.3	pCi/L							U
Radium 228 precision (±)		0.5	pCi/L							
Radium 228 MDC		0.8	pCi/L							
Lab ID: C25070615-004ADUP	3	Sample Duplicate				Run: TENNELEC-4_250725E				07/31/25 13:53
Radium 228		2.5	pCi/L					1.4	30	
Radium 228 precision (±)		0.93	pCi/L							
Radium 228 MDC		0.89	pCi/L							

- The RER result is 0.03.

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

U - Not detected

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3500-Cr B									Analytical Run: SPEC3_250723B	
Lab ID: CCV		Continuing Calibration Verification Standard							07/23/25 11:45	
Chromium, Hexavalent		0.0984	mg/L	0.010	98	90	110			
Method: A3500-Cr B									Batch: R446279	
Lab ID: MBLK		Method Blank				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		ND	mg/L	0.003						
Lab ID: LCS		Laboratory Control Sample				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.102	mg/L	0.010	102	90	110			
Lab ID: B25071973-001AMS		Sample Matrix Spike				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120			
Lab ID: B25071973-001AMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250723B			07/23/25 11:45	
Chromium, Hexavalent		0.0999	mg/L	0.010	100	80	120	0.0	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: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.7**										Analytical Run: ICP205-B_250724B
Lab ID: **ICV**		Continuing Calibration Verification Standard								07/24/25 14:44
Manganese		2.43	mg/L	0.010	97	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/24/25 16:16
Manganese		2.38	mg/L	0.010	95	90	110			
Method: **E200.7**										Batch: R446447
Lab ID: **MB-5900DIS250724A**		Method Blank				Run: ICP205-B_250724B				07/24/25 14:59
Manganese		ND	mg/L	0.0004						
Lab ID: **LFB-5900DIS250724A**		Laboratory Fortified Blank				Run: ICP205-B_250724B				07/24/25 15:00
Manganese		5.41	mg/L	0.010	108	85	115			
Lab ID: **B25071970-018BMS2**		Sample Matrix Spike				Run: ICP205-B_250724B				07/24/25 16:22
Manganese		5.07	mg/L	0.0010	100	70	130			
Lab ID: **B25071970-018BMSD2**		Sample Matrix Spike Duplicate				Run: ICP205-B_250724B				07/24/25 16:24
Manganese		5.04	mg/L	0.0010	99	70	130	0.5	20	
Method: **E200.7**										Analytical Run: ICP205-B_250725A
Lab ID: **ICV**		Continuing Calibration Verification Standard								07/25/25 14:52
Boron		2.53	mg/L	0.10	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/25/25 16:53
Boron		2.46	mg/L	0.10	99	90	110			
Method: **E200.7**										Batch: 201819
Lab ID: **MB-201819**		Method Blank				Run: ICP205-B_250725A				07/25/25 16:52
Boron		ND	mg/L	0.008						
Lab ID: **LCS3-201819**		Laboratory Control Sample				Run: ICP205-B_250725A				07/25/25 16:56
Boron		1.04	mg/L	0.10	104	85	115			
Lab ID: **B25071949-001CMS3**		Sample Matrix Spike				Run: ICP205-B_250725A				07/25/25 17:01
Boron		1.06	mg/L	0.050	104	70	130			
Lab ID: **B25071949-001CMSD3**		Sample Matrix Spike Duplicate				Run: ICP205-B_250725A				07/25/25 17:02
Boron		1.08	mg/L	0.050	105	70	130	1.4	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: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Analytical Run: ICPMS207-B_250801A
Lab ID: **QCS**	Initial Calibration Verification Standard									08/01/25 11:59
Iron		0.197	mg/L	0.020	98	90	110			
Lab ID: **CCV**	Continuing Calibration Verification Standard									08/01/25 13:26
Iron		1.28	mg/L	0.020	99	90	110			
Method: **E200.8**										Batch: 201819
Lab ID: **MB-201819**	Method Blank					Run: ICPMS207-B_250801A				08/01/25 14:25
Iron		ND	mg/L	0.004						
Method: **E200.8**										Analytical Run: ICPMS208-B_250731A
Lab ID: **QCS**	Initial Calibration Verification Standard									07/31/25 21:13
Copper		0.0378	mg/L	0.010	95	90	110			
Lab ID: **CCV**	Continuing Calibration Verification Standard									07/31/25 21:19
Copper		0.0481	mg/L	0.010	96	90	110			
Method: **E200.8**										Batch: R446795
Lab ID: **LRB**	Method Blank					Run: ICPMS208-B_250731A				07/31/25 12:12
Copper		ND	mg/L	0.00007						
Lab ID: **LFB**	Laboratory Fortified Blank					Run: ICPMS208-B_250731A				07/31/25 12:30
Copper		0.0454	mg/L	0.010	91	85	115			
Lab ID: **MB-202012**	Method Blank					Run: ICPMS208-B_250731A				07/31/25 22:30
Copper		0.0001	mg/L	0.00007						
Lab ID: **B25072338-001AMS**	Sample Matrix Spike					Run: ICPMS208-B_250731A				08/01/25 01:35
Copper		0.0612	mg/L	0.0050	94	70	130			
Lab ID: **B25072338-001AMSD**	Sample Matrix Spike Duplicate					Run: ICPMS208-B_250731A				08/01/25 01:41
Copper		0.0646	mg/L	0.0050	101	70	130	5.4	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: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS209-B_250725A		
Lab ID: QCS	11	Initial Calibration Verification Standard								07/25/25 20:27
Antimony		0.0404	mg/L	0.0050	101	90	110			
Arsenic		0.0377	mg/L	0.0050	94	90	110			
Cadmium		0.0211	mg/L	0.0010	105	90	110			
Chromium		0.0378	mg/L	0.010	95	90	110			
Iron		0.213	mg/L	0.020	107	90	110			
Nickel		0.0377	mg/L	0.0050	94	90	110			
Selenium		0.0377	mg/L	0.0050	94	90	110			
Silver		0.0208	mg/L	0.0050	104	90	110			
Thallium		0.0428	mg/L	0.0050	107	90	110			
Uranium		0.0419	mg/L	0.00030	105	90	110			
Zinc		0.0368	mg/L	0.0050	92	90	110			
Lab ID: CCV	11	Continuing Calibration Verification Standard								07/25/25 23:04
Antimony		0.0477	mg/L	0.0050	95	90	110			
Arsenic		0.0474	mg/L	0.0050	95	90	110			
Cadmium		0.0485	mg/L	0.0010	97	90	110			
Chromium		0.0477	mg/L	0.010	95	90	110			
Iron		1.36	mg/L	0.020	104	90	110			
Nickel		0.0466	mg/L	0.0050	93	90	110			
Selenium		0.0475	mg/L	0.0050	95	90	110			
Silver		0.0194	mg/L	0.0050	97	90	110			
Thallium		0.0494	mg/L	0.0050	99	90	110			
Uranium		0.0504	mg/L	0.00030	101	90	110			
Zinc		0.0456	mg/L	0.0050	91	90	110			
Lab ID: QCS	11	Initial Calibration Verification Standard								07/26/25 09:32
Antimony		0.0419	mg/L	0.0050	105	90	110			
Arsenic		0.0380	mg/L	0.0050	95	90	110			
Cadmium		0.0197	mg/L	0.0010	98	90	110			
Chromium		0.0381	mg/L	0.010	95	90	110			
Iron		0.202	mg/L	0.020	101	90	110			
Nickel		0.0382	mg/L	0.0050	96	90	110			
Selenium		0.0382	mg/L	0.0050	95	90	110			
Silver		0.0196	mg/L	0.0050	98	90	110			
Thallium		0.0402	mg/L	0.0050	100	90	110			
Uranium		0.0386	mg/L	0.00030	96	90	110			
Zinc		0.0379	mg/L	0.0050	95	90	110			
Lab ID: CCV	11	Continuing Calibration Verification Standard								07/26/25 12:32
Antimony		0.0536	mg/L	0.0050	107	90	110			
Arsenic		0.0473	mg/L	0.0050	95	90	110			
Cadmium		0.0497	mg/L	0.0010	99	90	110			
Chromium		0.0474	mg/L	0.010	95	90	110			
Iron		1.25	mg/L	0.020	96	90	110			
Nickel		0.0474	mg/L	0.0050	95	90	110			
Selenium		0.0468	mg/L	0.0050	94	90	110			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**									Analytical Run: ICPMS209-B_250725A	
Lab ID: **CCV**	11	Continuing Calibration Verification Standard							07/26/25 12:32	
Silver		0.0199	mg/L	0.0050	99	90	110			
Thallium		0.0500	mg/L	0.0050	100	90	110			
Uranium		0.0503	mg/L	0.00030	101	90	110			
Zinc		0.0464	mg/L	0.0050	93	90	110			
Lab ID: **QCS**	11	Initial Calibration Verification Standard							07/27/25 10:05	
Antimony		0.0386	mg/L	0.0050	97	90	110			
Arsenic		0.0377	mg/L	0.0050	94	90	110			
Cadmium		0.0195	mg/L	0.0010	97	90	110			
Chromium		0.0381	mg/L	0.010	95	90	110			
Iron		0.198	mg/L	0.020	99	90	110			
Nickel		0.0384	mg/L	0.0050	96	90	110			
Selenium		0.0376	mg/L	0.0050	94	90	110			
Silver		0.0191	mg/L	0.0050	96	90	110			
Thallium		0.0405	mg/L	0.0050	101	90	110			
Uranium		0.0383	mg/L	0.00030	96	90	110			
Zinc		0.0369	mg/L	0.0050	92	90	110			
Lab ID: **CCV**	11	Continuing Calibration Verification Standard							07/27/25 11:27	
Antimony		0.0472	mg/L	0.0050	94	90	110			
Arsenic		0.0468	mg/L	0.0050	94	90	110			
Cadmium		0.0466	mg/L	0.0010	93	90	110			
Chromium		0.0465	mg/L	0.010	93	90	110			
Iron		1.24	mg/L	0.020	96	90	110			
Nickel		0.0464	mg/L	0.0050	93	90	110			
Selenium		0.0467	mg/L	0.0050	93	90	110			
Silver		0.0185	mg/L	0.0050	92	90	110			
Thallium		0.0468	mg/L	0.0050	94	90	110			
Uranium		0.0479	mg/L	0.00030	96	90	110			
Zinc		0.0449	mg/L	0.0050	90	90	110			
Method: **E200.8**									Batch: 201819	
Lab ID: **MB-201819**	6	Method Blank				Run: ICPMS209-B_250725A			07/26/25 11:48	
Antimony		ND	mg/L	0.00002						
Arsenic		ND	mg/L	0.00003						
Chromium		ND	mg/L	0.0003						
Iron		0.02	mg/L	0.004						
Thallium		ND	mg/L	0.00008						
Uranium		ND	mg/L	0.00001						
Lab ID: **LCS4-201819**	6	Laboratory Control Sample				Run: ICPMS209-B_250725A			07/26/25 11:53	
Antimony		0.114	mg/L	0.0050	114	85	115			
Arsenic		0.0983	mg/L	0.0010	98	85	115			
Chromium		0.0973	mg/L	0.0010	97	85	115			
Iron		0.513	mg/L	0.010	103	85	115			
Thallium		0.107	mg/L	0.0010	107	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: 201819	
Lab ID: LCS4-201819	6	Laboratory Control Sample				Run: ICPMS209-B_250725A			07/26/25 11:53	
Uranium		0.106	mg/L	0.00030	106	85	115			
Lab ID: B25071950-001DMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250725A			07/26/25 12:10	
Antimony		0.107	mg/L	0.0010	107	70	130			
Arsenic		0.101	mg/L	0.0010	95	70	130			
Chromium		0.0943	mg/L	0.0050	94	70	130			
Iron		3.04	mg/L	0.020		70	130			A
Thallium		0.101	mg/L	0.00050	101	70	130			
Uranium		0.103	mg/L	0.00030	102	70	130			
Lab ID: B25071950-001DMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A			07/26/25 12:16	
Antimony		0.106	mg/L	0.0010	106	70	130	0.6	20	
Arsenic		0.103	mg/L	0.0010	97	70	130	2.2	20	
Chromium		0.0959	mg/L	0.0050	96	70	130	1.7	20	
Iron		3.10	mg/L	0.020		70	130	2.0	20	A
Thallium		0.102	mg/L	0.00050	102	70	130	1.0	20	
Uranium		0.103	mg/L	0.00030	103	70	130	0.5	20	
Lab ID: B25072005-001CMS4	6	Sample Matrix Spike				Run: ICPMS209-B_250725A			07/26/25 13:26	
Antimony		0.116	mg/L	0.0010	111	70	130			
Arsenic		0.125	mg/L	0.0010	99	70	130			
Chromium		0.100	mg/L	0.0050	97	70	130			
Iron		3.08	mg/L	0.020		70	130			A
Thallium		0.107	mg/L	0.00050	106	70	130			
Uranium		0.110	mg/L	0.00030	109	70	130			
Lab ID: B25072005-001CMSD4	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A			07/26/25 13:32	
Antimony		0.110	mg/L	0.0010	105	70	130	5.1	20	
Arsenic		0.121	mg/L	0.0010	95	70	130	2.8	20	
Chromium		0.0984	mg/L	0.0050	95	70	130	1.7	20	
Iron		3.05	mg/L	0.020		70	130	0.9	20	A
Thallium		0.102	mg/L	0.00050	102	70	130	4.7	20	
Uranium		0.103	mg/L	0.00030	102	70	130	6.7	20	
Method: E200.8									Batch: R446475	
Lab ID: LRB	6	Method Blank				Run: ICPMS209-B_250725A			07/25/25 14:00	
Cadmium		ND	mg/L	9E-6						
Iron		ND	mg/L	0.001						
Nickel		ND	mg/L	0.00006						
Selenium		ND	mg/L	0.00002						
Silver		ND	mg/L	3E-6						
Zinc		ND	mg/L	0.001						
Lab ID: LFB	6	Laboratory Fortified Blank				Run: ICPMS209-B_250725A			07/25/25 14:16	
Cadmium		0.0517	mg/L	0.0010	103	85	115			
Iron		5.28	mg/L	0.020	106	85	115			
Nickel		0.0487	mg/L	0.0050	97	85	115			

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

A - Analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R446475
Lab ID: LFB	6	Laboratory Fortified Blank				Run: ICPMS209-B_250725A				07/25/25 14:16
Selenium		0.0461	mg/L	0.0050	92	85	115			
Silver		0.0208	mg/L	0.0050	104	85	115			
Zinc		0.0475	mg/L	0.0050	95	85	115			
Lab ID: B25071970-019BMS	6	Sample Matrix Spike				Run: ICPMS209-B_250725A				07/25/25 22:32
Cadmium		0.105	mg/L	0.0010	104	70	130			
Iron		10.2	mg/L	0.020	102	70	130			
Nickel		0.107	mg/L	0.0050	88	70	130			
Selenium		0.0939	mg/L	0.0010	90	70	130			
Silver		0.0414	mg/L	0.0010	103	70	130			
Zinc		0.0897	mg/L	0.010	88	70	130			
Lab ID: B25071970-019BMSD	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A				07/25/25 22:37
Cadmium		0.104	mg/L	0.0010	103	70	130	0.9	20	
Iron		10.4	mg/L	0.020	104	70	130	2.1	20	
Nickel		0.108	mg/L	0.0050	89	70	130	0.5	20	
Selenium		0.0950	mg/L	0.0010	92	70	130	1.2	20	
Silver		0.0411	mg/L	0.0010	103	70	130	0.5	20	
Zinc		0.0920	mg/L	0.010	90	70	130	2.5	20	
Lab ID: MB-201846	6	Method Blank				Run: ICPMS209-B_250725A				07/25/25 23:32
Cadmium		ND	mg/L	7E-6						
Iron		ND	mg/L	0.001						
Nickel		ND	mg/L	0.00006						
Selenium		ND	mg/L	0.00002						
Silver		ND	mg/L	5E-6						
Zinc		ND	mg/L	0.001						
Lab ID: B25071970-019BMS	6	Sample Matrix Spike				Run: ICPMS209-B_250725A				07/27/25 11:38
Cadmium		0.0956	mg/L	0.0010	95	70	130			
Iron		9.29	mg/L	0.020	93	70	130			
Nickel		0.107	mg/L	0.0050	89	70	130			
Selenium		0.0889	mg/L	0.0010	86	70	130			
Silver		0.0380	mg/L	0.0010	95	70	130			
Zinc		0.0874	mg/L	0.010	87	70	130			
Lab ID: B25071970-019BMSD	6	Sample Matrix Spike Duplicate				Run: ICPMS209-B_250725A				07/27/25 11:43
Cadmium		0.0955	mg/L	0.0010	95	70	130	0.2	20	
Iron		9.57	mg/L	0.020	96	70	130	3.0	20	
Nickel		0.110	mg/L	0.0050	91	70	130	2.0	20	
Selenium		0.0908	mg/L	0.0010	87	70	130	2.1	20	
Silver		0.0383	mg/L	0.0010	96	70	130	0.8	20	
Zinc		0.0884	mg/L	0.010	88	70	130	1.0	20	
Lab ID: MB-201846	6	Method Blank				Run: ICPMS209-B_250725A				07/27/25 12:21
Cadmium		ND	mg/L	7E-6						
Iron		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E200.8**										Batch: R446475
Lab ID: **MB-201846**	6	Method Blank				Run: ICPMS209-B_250725A				07/27/25 12:21
Nickel		ND	mg/L	0.00006						
Selenium		ND	mg/L	0.00002						
Silver		ND	mg/L	5E-6						
Zinc		ND	mg/L	0.001						

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 08/04/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E245.1**										Analytical Run: HGCV203-B_250724A
Lab ID: **ICV-201773**		Initial Calibration Verification Standard								07/24/25 09:55
Mercury		0.00213	mg/L	0.00010	106	90	110			
Lab ID: **CCV1**		Continuing Calibration Verification Standard								07/24/25 09:56
Mercury		0.00253	mg/L	0.00010	101	95	105			
Lab ID: **CCV**		Continuing Calibration Verification Standard								07/24/25 10:16
Mercury		0.00246	mg/L	0.00010	98	90	110			
Method: **E245.1**										Batch: 201773
Lab ID: **MB-201773**		Method Blank				Run: HGCV203-B_250724A				07/24/25 09:59
Mercury		ND	mg/L	0.00006						
Lab ID: **LCS-201773**		Laboratory Control Sample				Run: HGCV203-B_250724A				07/24/25 10:00
Mercury		0.00205	mg/L	0.00010	102	85	115			
Lab ID: **B25071941-001BMS**		Sample Matrix Spike				Run: HGCV203-B_250724A				07/24/25 10:22
Mercury		0.00203	mg/L	0.00010	102	70	130			
Lab ID: **B25071941-001BMSD**		Sample Matrix Spike Duplicate				Run: HGCV203-B_250724A				07/24/25 10:23
Mercury		0.00202	mg/L	0.00010	101	70	130	0.7	30	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

QA/QC Summary Report

Prepared by Billings, MT Branch

Work Order: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-S D**										Batch: R446375
Lab ID: **MBLK**		Method Blank				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		ND	mg/L	0.01						
Lab ID: **LCS**		Laboratory Control Sample				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.204	mg/L	0.040	93	85	115			
Lab ID: **B25071975-001DMS**		Sample Matrix Spike				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.414	mg/L	0.040	94	70	130			
Lab ID: **B25071975-001DMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250724A				07/24/25 11:23
Sulfide		0.412	mg/L	0.040	94	70	130	0.5	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: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0										Analytical Run: IC METROHM 2_250723A
Lab ID: ICV	3	Initial Calibration Verification Standard								07/23/25 15:08
Chloride		26.0	mg/L	1.0	104	90	110			
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.32	mg/L	0.10	105	90	110			
Lab ID: CCV	3	Continuing Calibration Verification Standard								07/23/25 19:55
Chloride		26.1	mg/L	1.0	104	90	110			
Sulfate		104	mg/L	1.0	104	90	110			
Fluoride		1.24	mg/L	0.10	99	90	110			
Method: E300.0										Batch: R446367
Lab ID: ICB	3	Method Blank				Run: IC METROHM 2_250723A				07/23/25 15:25
Chloride		ND	mg/L	0.1						
Sulfate		ND	mg/L	0.7						
Fluoride		ND	mg/L	0.009						
Lab ID: LFB	3	Laboratory Fortified Blank				Run: IC METROHM 2_250723A				07/23/25 15:41
Chloride		24.6	mg/L	1.0	99	90	110			
Sulfate		99.2	mg/L	1.0	99	90	110			
Fluoride		1.28	mg/L	0.10	102	90	110			
Lab ID: B25071948-001AMS	3	Sample Matrix Spike				Run: IC METROHM 2_250723A				07/23/25 20:28
Chloride		29.8	mg/L	1.0	107	90	110			
Sulfate		137	mg/L	1.1	106	90	110			
Fluoride		1.53	mg/L	0.10	103	90	110			
Lab ID: B25071948-001AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 2_250723A				07/23/25 20:45
Chloride		29.9	mg/L	1.0	107	90	110	0.4	20	
Sulfate		138	mg/L	1.1	106	90	110	0.4	20	
Fluoride		1.54	mg/L	0.10	104	90	110	0.5	20	
Lab ID: B25071958-002AMS	3	Sample Matrix Spike				Run: IC METROHM 2_250723A				07/24/25 00:25
Chloride		426	mg/L	2.6	107	90	110			
Sulfate		1590	mg/L	11	106	90	110			
Fluoride		13.9	mg/L	0.13	103	90	110			
Lab ID: B25071958-002AMSD	3	Sample Matrix Spike Duplicate				Run: IC METROHM 2_250723A				07/24/25 00:42
Chloride		426	mg/L	2.6	107	90	110	0.1	20	
Sulfate		1590	mg/L	11	106	90	110	0.2	20	
Fluoride		13.9	mg/L	0.13	103	90	110	0.1	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: B25071973 **Report Date:** 07/31/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **Kelada-01**									Analytical Run: SFA-202-B_250724A	
Lab ID: **ICV**		Initial Calibration Verification Standard							07/24/25 14:46	
Cyanide, Weak Acid Dissociable		0.00975	mg/L	0.0010	97	90	110			
Method: **Kelada-01**									Batch: R446401	
Lab ID: **ICB**		Method Blank				Run: SFA-202-B_250724A			07/24/25 14:47	
Cyanide, Weak Acid Dissociable		ND	mg/L	0.0007						
Lab ID: **LFB**		Laboratory Fortified Blank				Run: SFA-202-B_250724A			07/24/25 14:49	
Cyanide, Weak Acid Dissociable		0.00992	mg/L	0.0010	99	90	110			
Lab ID: **LCS1-ZnCN**		Laboratory Control Sample				Run: SFA-202-B_250724A			07/24/25 14:51	
Cyanide, Weak Acid Dissociable		0.00986	mg/L	0.0010	99	90	110			
Lab ID: **B25071973-001EMS**		Sample Matrix Spike				Run: SFA-202-B_250724A			07/24/25 15:09	
Cyanide, Weak Acid Dissociable		0.00994	mg/L	0.0010	99	80	120			
Lab ID: **B25071973-001EMSD**		Sample Matrix Spike Duplicate				Run: SFA-202-B_250724A			07/24/25 15:13	
Cyanide, Weak Acid Dissociable		0.0102	mg/L	0.0010	101	80	120	2.1	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25071973

Login completed by: Crystal M. Jones
Date Received: 7/23/2025
Reviewed by: dharris
Received by: ET
Reviewed Date: 7/24/2025
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:	3.8°C On 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:

The sample for potentially dissolved metals analysis was subsampled and filtered in the laboratory. According to the Code of Colorado Regulation these samples should be filtered within 8 to 96 hours of preservation with nitric acid to a

Work Order Receipt Checklist - Continued

Linkan Engineering B25071973

pH < 2. CMJ 07/23/25

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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

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 - Bi-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	
Sampler Phone	
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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Hexavalent Chromium	Metals, Dissolved	Metals, Total Recoverable	Metals, Potentially Dissolved	Cyanide, WAD	Sulfide, Methylene Blue Colorimetric	Radium 226, Dissolved	Radium 226 + Radium 228		See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/22	1420	8	W										●		B2507923
2															●		
3																	
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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acosta	7/22/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Elly Thompson	07/23/25 11:10	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	On Ice	Payment Type	Amount	Receipt Number *(cash/check only)*
		Y N C B	Y N	°C	Y N	Y N	CC Cash Check	$	

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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **Linkan Engineering**

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
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
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
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

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

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.

ANALYTICAL SUMMARY REPORT

July 14, 2025

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

Work Order: B25070213 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/2/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25070213-001	Outfall 001A	06/27/25 14:15	07/02/25	Aqueous	Solids, Total Suspended
B25070213-002	Outfall 001A	06/30/25 14:00	07/02/25	Aqueous	Same As Above
B25070213-003	Outfall 001A	07/01/25 14:10	07/02/25	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: B25070213-001
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 06/27/25 14:15
DateReceived: 07/02/25
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	07/03/25 09:34 / 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: B25070213-002
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 06/30/25 14:00
DateReceived: 07/02/25
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	07/03/25 09:34 / 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: B25070213-003
Client Sample ID: Outfall 001A

Report Date: 07/14/25
Collection Date: 07/01/25 14:10
DateReceived: 07/02/25
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	07/03/25 09:34 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	07/03/25 13:58 / 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: B25070213 **Report Date:** 07/14/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250703A	
Lab ID: **MBLK_20250703-3**	Method Blank					Run: BAL #30_250703B			07/03/25 09:34	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250703-1**	Laboratory Control Sample					Run: BAL #30_250703B			07/03/25 09:34	
Solids, Total Suspended TSS @ 105 C		101	mg/L	25	101	80	120			
Lab ID: **B25070196-001CDUP**	Sample Duplicate					Run: BAL #30_250703B			07/03/25 09:34	
Solids, Total Suspended TSS @ 105 C		75.8	mg/L	10				4.6	10	
Lab ID: **B25070216-005BDUP**	Sample Duplicate					Run: BAL #30_250703B			07/03/25 09:34	
Solids, Total Suspended TSS @ 105 C		85.0	mg/L	12				7.4	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: B25070213 **Report Date:** 07/14/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Analytical Run: SPEC3_250703B	
Lab ID: **CCV-201171**	Continuing Calibration Verification Standard								07/03/25 13:58	
Oxygen Demand, Chemical (COD)		49.2	mg/L	5.0	98	90	110			
Method: **E410.4**									Batch: 201171	
Lab ID: **MB-201171**	Method Blank					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: **LCS-201171**	Laboratory Control Sample					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		23.1	mg/L	5.0	95	90	110			
Lab ID: **B25070255-001CMS**	Sample Matrix Spike					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		25.6	mg/L	5.0	105	90	110			
Lab ID: **B25070255-001CMSD**	Sample Matrix Spike Duplicate					Run: SPEC3_250703B			07/03/25 13:58	
Oxygen Demand, Chemical (COD)		25.3	mg/L	5.0	104	90	110	1.3	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25070213

Login completed by: Natasha L. Anthony
Date Received: 7/2/2025
Reviewed by: ysmith
Received by: DNH
Reviewed Date: 7/11/2025
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:	4.5°C On 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:

The chain of custody does not indicate which sample is to be analyzed for chemical oxygen demand analysis. Proceeded with chemical oxygen demand on the sample collected 07/01/25 per the sample containers received. YES

Work Order Receipt Checklist - Continued

Linkan Engineering B25070213

07/11/25

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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	186995

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 Acuedo
Sampler Phone	7/238/6169
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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand								See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	6/27/25	1415	1	W										●		B507023
2	Outfall 001A	6/30/25	1400	1	W										●		
3	Outfall 001A	7/1/25	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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuedo	1510				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Danielle Hays	07/02/25 1015	

LABORATORY USE ONLY

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 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.

ENERGY LABORATORIES
Trust our People. Trust our Data.
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 186995

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

SHIPPED TO: **Linkan Engineering**

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: 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: 9/17/2024
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							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
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

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.

ANALYTICAL SUMMARY REPORT

August 28, 2025

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

Work Order: B25070838 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/10/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25070838-001	Outfall 001A	07/04/25 13:30	07/10/25	Aqueous	Solids, Total Dissolved
B25070838-002	Outfall 001A	07/07/25 14:20	07/10/25	Aqueous	Same As Above
B25070838-003	Outfall 001A	07/09/25 14:15	07/10/25	Aqueous	Chemical Oxygen Demand Preparation for COD testing HACH 8000 Solids, Total Dissolved

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: B25070838

Revised Date: 08/28/25
Report Date: 07/16/25

CASE NARRATIVE

Revised Report 8/28/2025;

Due to a laboratory error, total dissolved solids were analyzed instead of total suspended solids as specified on the chain of custody. The error was found after the hold time for total suspended solids had expired.

We apologize for the error and the charge for the workorder will be removed.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: Linkan Engineering
Project: Schwartzwalder Mine
Lab ID: B25070838-001
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/04/25 13:30
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	114	mg/L		20		A2540 C	07/10/25 16:45 / etv

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: B25070838-002
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/07/25 14:20
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	112	mg/L		20		A2540 C	07/10/25 16:45 / etv

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: B25070838-003
Client Sample ID: Outfall 001A

Revised Date: 08/28/25
Report Date: 07/16/25
Collection Date: 07/09/25 14:15
DateReceived: 07/10/25
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	107	mg/L		20		A2540 C	07/10/25 16:45 / etv
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	07/11/25 15:41 / 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

Revised Date: 08/28/25

Work Order: B25070838

Report Date: 07/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 C**										Batch: TDS20250710D
Lab ID: **MBLK_20250710-8**	Method Blank					Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	20						
Lab ID: **LCS_20250710-5**	Laboratory Control Sample					Run: Bal #30_250710F				07/10/25 16:44
Solids, Total Dissolved TDS @ 180 C		938	mg/L	25	94	90	110			
Lab ID: **B25070837-001ADUP**	Sample Duplicate					Run: Bal #30_250710F				07/10/25 16:45
Solids, Total Dissolved TDS @ 180 C		4610	mg/L	250				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

Revised Date: 08/28/25

Work Order: B25070838

Report Date: 07/16/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **E410.4**									Analytical Run: SPEC3_250711A	
Lab ID: **CCV-201379**		Continuing Calibration Verification Standard							07/11/25 15:41	
Oxygen Demand, Chemical (COD)		47.0	mg/L	5.0	94	90	110			
Method: **E410.4**									Batch: 201379	
Lab ID: **MB-201379**		Method Blank				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: **LCS-201379**		Laboratory Control Sample				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		22.3	mg/L	5.0	91	90	110			
Lab ID: **B25070819-001HMS**		Sample Matrix Spike				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		29.0	mg/L	5.0	94	90	110			
Lab ID: **B25070819-001HMSD**		Sample Matrix Spike Duplicate				Run: SPEC3_250711A			07/11/25 15:41	
Oxygen Demand, Chemical (COD)		29.3	mg/L	5.0	95	90	110	1.1	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	186627

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 Acuna | Sampler Phone 720-238-6166

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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand								See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/4/25	13:30	1	W										●		B25070838
2	Outfall 001A	7/7/25	14:20	1	W										●		
3	Outfall 001A	7/9/25	14:20	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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuna	7/9/1530		Elizabeth Hatton	7/10/25 1115	

LABORATORY USE ONLY

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 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.

ELI-COC-01/21 v.4

ENERGY LABORATORIES
Trust our People. Trust our Data.
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 186627

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

SHIPPED TO: **Linkan Engineering**

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: 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: 9/3/2024
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							
500 mL Plastic	1	E410.4 HACH 8000	Chemical Oxygen Demand Preparation for COD testing HACH 8000		H2SO4		1
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

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.

ANALYTICAL SUMMARY REPORT

July 24, 2025

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

Work Order: B25071601 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/17/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25071601-001	Outfall 001A	07/11/25 13:10	07/17/25	Aqueous	Solids, Total Suspended
B25071601-002	Outfall 001A	07/14/25 13:10	07/17/25	Aqueous	Same As Above
B25071601-003	Outfall 001A	07/16/25 14:15	07/17/25	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: B25071601-001
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/11/25 13:10
DateReceived: 07/17/25
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	07/18/25 11:10 / 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: B25071601-002
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/14/25 13:10
DateReceived: 07/17/25
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	07/18/25 11:10 / 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: B25071601-003
Client Sample ID: Outfall 001A

Report Date: 07/24/25
Collection Date: 07/16/25 14:15
DateReceived: 07/17/25
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	07/18/25 11:10 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	ND	mg/L		5		E410.4	07/18/25 15:16 / 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: B25071601 **Report Date:** 07/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 D									Batch: TSS20250718A	
Lab ID: MBLK_20250718-3	Method Blank					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: LCS_20250718-2	Laboratory Control Sample					Run: BAL #30_250718F			07/18/25 11:09	
Solids, Total Suspended TSS @ 105 C		95.0	mg/L	25	95	80	120			
Lab ID: B25071606-004BDUP	Sample Duplicate					Run: BAL #30_250718F			07/18/25 11:10	
Solids, Total Suspended TSS @ 105 C		1.60	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: B25071601 **Report Date:** 07/24/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Analytical Run: SPEC3_250718B	
Lab ID: CCV-201618		Continuing Calibration Verification Standard							07/18/25 15:16	
Oxygen Demand, Chemical (COD)		50.9	mg/L	5.0	102	90	110			
Method: E410.4									Batch: 201618	
Lab ID: MB-201618		Method Blank				Run: SPEC3_250718B			07/18/25 15:15	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-201618		Laboratory Control Sample				Run: SPEC3_250718B			07/18/25 15:15	
Oxygen Demand, Chemical (COD)		24.4	mg/L	5.0	100	90	110			
Lab ID: B25071601-003BMS		Sample Matrix Spike				Run: SPEC3_250718B			07/18/25 15:16	
Oxygen Demand, Chemical (COD)		26.5	mg/L	5.0	108	90	110			
Lab ID: B25071601-003BMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250718B			07/18/25 15:16	
Oxygen Demand, Chemical (COD)		25.8	mg/L	5.0	106	90	110	2.6	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25071601

Login completed by: Cindy Rohrer
Date Received: 7/17/2025
Reviewed by: dsawyer
Received by: SRG
Reviewed Date: 7/24/2025
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:	5.0°C On 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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

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 Acevedo
Sampler Phone	7/238/6169
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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/11/25	1310	1	W			●		B25071601
2	Outfall 001A	7/14/25	1310	1	W			●		
3	Outfall 001A	7/16/25	1415	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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/16/1530				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Staci Griffith	7/17/25 11:05	Staci Griffith

LABORATORY USE ONLY

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 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.

BOTTLE ORDER 193741

SHIPPED TO: **Linkan Engineering**

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
Outfall 001A Weekly COD (4 Sets)							
500 mL Plastic	1	E410.4	Chemical Oxygen Demand		H2SO4		1
		HACH 8000	Preparation for COD testing HACH 8000				
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
Outfall 001A Bi-Weekly (2 Sets)							
250 mL Plastic	1	A3500-Cr B	Chromium, Hexavalent	24.00 hrs			1
		E300.0	Anions by Ion Chromatography				
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Dissolved		HNO3	Filter before preservation	1
250 mL Plastic	1	E200.7_8	Metals by ICP/ICPMS, Total Recoverable		HNO3		1
		Calculation	Chromium, Total Recoverable Trivalent				
		E245.1	Mercury, Total				
		E200.2	Metals Digestion by E200.2				
		E245.1	Mercury Digestion by E245.1				

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

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.

ANALYTICAL SUMMARY REPORT

July 30, 2025

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

Work Order: B25072143 Quote ID: B17287

Project Name: Schwartzwalder Mine

Energy Laboratories Inc Billings MT received the following 3 samples for Linkan Engineering on 7/24/2025 for analysis.

Lab ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
B25072143-001	Outfall 001A	07/18/25 14:20	07/24/25	Aqueous	Solids, Total Suspended
B25072143-002	Outfall 001A	07/21/25 14:25	07/24/25	Aqueous	Same As Above
B25072143-003	Outfall 001A	07/23/25 14:45	07/24/25	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: B25072143-001
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/18/25 14:20
DateReceived: 07/24/25
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	07/25/25 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: B25072143-002
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/21/25 14:25
DateReceived: 07/24/25
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	07/25/25 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: B25072143-003
Client Sample ID: Outfall 001A

Report Date: 07/30/25
Collection Date: 07/23/25 14:45
DateReceived: 07/24/25
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	07/25/25 10:01 / pjw
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	6	mg/L		5		E410.4	07/25/25 15:51 / 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: B25072143 **Report Date:** 07/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A2540 D**									Batch: TSS20250725A	
Lab ID: **MBLK_20250725-1**	Method Blank					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		ND	mg/L	0.6						
Lab ID: **LCS_20250725-1**	Laboratory Control Sample					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		94.0	mg/L	25	94	80	120			
Lab ID: **B25072142-001BDUP**	Sample Duplicate					Run: BAL #30_250725A			07/25/25 10:01	
Solids, Total Suspended TSS @ 105 C		101	mg/L	10				3.0	10	
Lab ID: **B25072181-001ADUP**	Sample Duplicate					Run: BAL #30_250725A			07/25/25 14:18	
Solids, Total Suspended TSS @ 105 C		380	mg/L	50				8.2	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: B25072143 **Report Date:** 07/30/25

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Analytical Run: SPEC3_250725B	
Lab ID: CCV-201860		Continuing Calibration Verification Standard							07/25/25 15:51	
Oxygen Demand, Chemical (COD)		50.2	mg/L	5.0	100	90	110			
Method: E410.4									Batch: 201860	
Lab ID: MB-201860		Method Blank				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		ND	mg/L	3						
Lab ID: LCS-201860		Laboratory Control Sample				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		25.6	mg/L	5.0	105	90	110			
Lab ID: B25072143-003BMS		Sample Matrix Spike				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		28.1	mg/L	5.0	92	90	110			
Lab ID: B25072143-003BMSD		Sample Matrix Spike Duplicate				Run: SPEC3_250725B			07/25/25 15:51	
Oxygen Demand, Chemical (COD)		29.8	mg/L	5.0	99	90	110	5.8	10	

Qualifiers:

RL - Analyte Reporting Limit

ND - Not detected at the Reporting Limit (RL)

Work Order Receipt Checklist

Linkan Engineering

B25072143

Login completed by: Elizabeth A. Holton
Date Received: 7/24/2025
Reviewed by: lcadreau
Received by: ET
Reviewed Date: 7/29/2025
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:	4.2°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

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ▣Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	193741

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 Acevedo | Sampler Phone 7/23 8/6/69

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)

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

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	Collection Time	Number of Containers	Matrix *(See Codes Above)*	Total Suspended Solids	Chemical Oxygen Demand	See Attached	RUSH TAT	ELI LAB ID *Laboratory Use Only*
1	Outfall 001A	7/18	1420	1	W			●		B25072143
2	Outfall 001A	7/21	1425	1	W			●		
3	Outfall 001A	7/23	1445	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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acevedo	7/23/1520				
	Relinquished by (print)	Date/Time	Signature	Received by Labratory (print)	Date/Time	Signature
				Elly Thompson	07/24/25 10:45	

LABORATORY USE ONLY

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 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.

ELI-COC-01/21 v.4

BOTTLE ORDER 193741

SHIPPED TO: **Linkan Engineering**

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
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
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
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#: 193741

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

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.

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

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 ☑	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:	5.0°C On 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:

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

ENERGY LABORATORIES

Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

www.energylab.com

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
Receive Report	☐Hard Copy ☒Email
Purchase Order	25-0152
Quote	H17287
Bottle Order	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	☐Hard Copy ☒Email
Special Report/Formats:	☐ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ 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

+ 193743

Project Name, PWSID, Permit, etc.	Schwartzwalder Mine
Sampler Name	Bryant Acuesta
Sampler Phone	7/238/6169
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)

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

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	Collection Time	Number of Containers	Matrix (See Codes Above)	Analysis Requested: Total Suspended Solids	Chemical Oxygen Demand	Total Dissolved Solids	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	Outfall 001A	7/25	1430	1	W	X			●		B25072562
2	Outfall 001A	7/28	1415	1	W	X			●		
3	Outfall 001A	7/30	1430	2	W	X			●		
4	Outfall 001A	7/30	1430	1	W			X			
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)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Bryant Acuesta	7/30/1800	BA			
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Staci Gottlob	7/31/25 10:50	Staci Gottlob

LABORATORY USE ONLY

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 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.

BOTTLE ORDER 193741

SHIPPED TO: **Linkan Engineering**

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
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
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
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

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

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.

DMR Copy of Record

Form Approved OMB No. 2040-0004 expires on 07/31/2026

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:	**CO0001244**	**Permittee:**	Colo Div of Reclamation, Mining and Safety	**Facility:**	SCHWARTZWALDER MINE
Major:	No	**Permittee Address:**	1001 E 62 Ave Room 215 Denver, CO 80216	**Facility Location:**	8300 GLENCOE VALLEY RD GOLDEN, CO 80402
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** WWTF Discharge to Ralston Creek		

Report Dates & Status

Monitoring Period:	**From 07/01/25 to 07/31/25**	**DMR Due Date:**	**08/28/25**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Oil and grease - see I.A.2, page 3. Antidegradation limits - see C.2, page 7.

Principal Executive Officer

First Name:		**Title:**		**Telephone:**	
Last Name:					

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00340	**Oxygen demand, chem. [high level] [COD]**	1 - Effluent Gross	0	--	Sample								=	1.5	=	6.0	19 - mg/L		01/07 - Weekly	CP - Composite
					Permit Req.								<=	100.0 30DA AVG	<=	200.0 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - Composite
					Value NODI															
00400	**pH**	1 - Effluent Gross	0	--	Sample						=	6.93			=	8.18	12 - SU		05/WK - Five Per Week	GR - Grab
					Permit Req.						>=	6.5 MINIMUM			<=	9.0 MAXIMUM	12 - SU	0	05/WK - Five Per Week	GR - Grab
					Value NODI															
00530	**Solids, total suspended**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	19 - mg/L		03/07 - Three Per Week	CP - Composite
					Permit Req.								<=	20.0 30DA AVG	<=	30.0 DAILY MX	19 - mg/L	0	03/07 - Three Per Week	CP - Composite
					Value NODI															
00718	**Cyanide, weak acid, dissociable**	1 - Effluent Gross	0	--	Sample										<	1.0	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.										<=	5.0 DAILY MX	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
00718	**Cyanide, weak acid, dissociable**	P - See Comments	0	--	Sample															
					Permit Req.								<=	0.75 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI									B - Below Detection Limit/No Detection						
00940	**Chloride [as Cl]**	1 - Effluent Gross	0	--	Sample								=	1.5			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	250.0 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
		P - See			Sample								=	0.77			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit												19 -		02/30 - Twice Per	

00940	**Chloride [as Cl]**	Comments	0	--	Req.							<=	54.0 ROLL AVG			mg/L	0	Month	CP - Composite
					Value NODI																
00945	**Sulfate, total [as SO4]**	1 - Effluent Gross	0	--	Sample							=	10.0			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	250.0 30DA AVG			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Value NODI																
00945	**Sulfate, total [as SO4]**	P - See Comments	0	--	Sample							=	6.28			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	131.0 ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00949	**Fluoride**	1 - Effluent Gross	0	--	Sample									<	0.1	19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									<=	2.0 DAILY MX	19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
X 00978	**Arsenic, total recoverable**	1 - Effluent Gross	0	--	Sample							=	5.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	0.02 30DA AVG			28 - ug/L	1	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00980	**Iron, total recoverable**	1 - Effluent Gross	0	--	Sample							=	25.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
00980	**Iron, total recoverable**	P - See Comments	0	--	Sample							=	7.5			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								Req Mon ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01022	**Boron, total [as B]**	1 - Effluent Gross	0	--	Sample							=	0.18			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	0.46 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01046	**Iron, dissolved [as Fe]**	1 - Effluent Gross	0	--	Sample							<	20.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	300.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01046	**Iron, dissolved [as Fe]**	P - See Comments	0	--	Sample																
					Permit Req.							<=	45.0 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI								B - Below Detection Limit/No Detection								
01056	**Manganese, dissolved [as Mn]**	1 - Effluent Gross	0	--	Sample							=	1.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	50.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01056	**Manganese, dissolved [as Mn]**	P - See Comments	0	--	Sample							=	0.4			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	7.5 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
01059	**Thallium, total [as Tl]**	1 - Effluent Gross	0	--	Sample																
					Permit Req.							<=	0.24 30DA AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI								B - Below Detection Limit/No Detection								
01097	**Antimony, total [as Sb]**	1 - Effluent Gross	0	--	Sample							<	1.0			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.							<=	5.6 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI																
																28 -		02/30 - Twice Per	

01220	**Chromium, hexavalent dissolved [as Cr]**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	ug/L	0	Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01303	**Zinc, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	10.0	<	10.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01303	**Zinc, potentially dissolved**	P - See Comments	0	--	Sample								=	15.4			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01304	**Silver, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	0.04	<	0.04	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	0.13 30DA AVG	<=	3.5 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01304	**Silver, potentially dissolved**	P - See Comments	0	--	Sample															
					Permit Req.								<=	0.02 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI									B - Below Detection Limit/No Detection						
01306	**Copper, potentially dissolved**	1 - Effluent Gross	0	--	Sample								<	0.5	<	0.5	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	12.0 30DA AVG	<=	18.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01306	**Copper, potentially dissolved**	P - See Comments	0	--	Sample								=	0.09			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	1.8 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01313	**Cadmium, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01322	**Nickel, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	5.0	<	5.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01322	**Nickel, potentially dissolvd**	P - See Comments	0	--	Sample								<	8.0			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01323	**Selenium, potentially dissolvd**	1 - Effluent Gross	0	--	Sample								<	1.0	<	1.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
01323	**Selenium, potentially dissolvd**	P - See Comments	0	--	Sample								<	1.0			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value NODI															
03582	**Oil and grease**	1 - Effluent Gross	0	--	Sample															
					Permit Req.										<=	10.0 INST MAX	19 - mg/L		77/77 - Contingent	GR - Grab
					Value NODI											9 - Conditional Monitoring - Not Required This Period				
04262	**Chromium, trivalent total recoverable**	1 - Effluent Gross	0	--	Sample										<	10.0	28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.										<=	50.0 DAILY MX	28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Value															

					NODI																	
04262	**Chromium, trivalent total recoverable**	P - See Comments	0	--	Sample								<=	7.5 ROLL AVG			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.															
					Value NODI									B - Below Detection Limit/No Detection						
09501	**Radium 226, total**	1 - Effluent Gross	0	--	Sample								=	0.15	=	0.2	17 - pCi/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	10.0 30DA AVG	<=	30.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
09503	**Radium 226, dissolved**	1 - Effluent Gross	0	--	Sample								=	0.2	=	0.3	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	3.0 30DA AVG	<=	10.0 DAILY MX	17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
11503	**Radium 226 + radium 228, total**	1 - Effluent Gross	0	--	Sample								=	0.55			17 - pCi/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	5.0 30DA AVG			17 - pCi/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
22708	**Uranium, total**	1 - Effluent Gross	0	--	Sample								=	9.75			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	30.0 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
22708	**Uranium, total**	P - See Comments	0	--	Sample								=	11.14			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.								<=	22.0 ROLL AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
50050	**Flow, in conduit or thru treatment plant**	1 - Effluent Gross	0	--	Sample	=	0.214934	=	0.293054	03 - MGD									99/99 - Continuous	RC - Recorder (auto)
					Permit Req.	<=	0.288 30DA AVG		Req Mon DAILY MX	03 - MGD								0	99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
51202	**Sulfide-hydrogen sulfide [undissociated]**	1 - Effluent Gross	0	--	Sample								<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
51202	**Sulfide-hydrogen sulfide [undissociated]**	P - See Comments	0	--	Sample								<	0.04			19 - mg/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon ROLL AVG			19 - mg/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
71900	**Mercury, total [as Hg]**	1 - Effluent Gross	0	--	Sample								<	0.1			28 - ug/L		02/30 - Twice Per Month	CP - Composite
					Permit Req.									Req Mon 30DA AVG			28 - ug/L	0	02/30 - Twice Per Month	CP - Composite
					Value NODI															
84066	**Oil and grease visual**	1 - Effluent Gross	0	--	Sample			=	0.0	9P - N=0;Y=1									05/WK - Five Per Week	VI - Visual
					Permit Req.				Req Mon INST MAX	9P - N=0;Y=1									05/WK - Five Per Week	VI - Visual
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00978	Arsenic, total recoverable	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. Please verify that the value you have provided is correct.	Yes

Comments

Attachments

Name	Type	Size
2025_07_Schwartzwalder_Outfall_001A_Results_7.pdf	pdf	1807698.0
2025_07_Schwartzwalder_Outfall_001A_Cover_Letter.pdf	pdf	320785.0
2025_07_Schwartzwalder_Outfall_001A_Results_5.pdf	pdf	1775319.0
2025_07_Schwartzwalder_Outfall_001A_Results_4.pdf	pdf	1812135.0
2025_07_Schwartzwalder_Outfall_001A_Results_3.pdf	pdf	1777458.0
2025_07_Schwartzwalder_Outfall_001A_Results_2.pdf	pdf	2321741.0
2025_07_Schwartzwalder_Outfall_001A_Results_1.pdf	pdf	2301684.0
2025_07_Schwartzwalder_Outfall_001A_Results_6.pdf	pdf	2041515.0

Report Last Saved By

Colo Div of Reclamation, Mining and Safety

User:	pdelaney@alexcoresource.com
Name:	Patrick Delaney
E-Mail:	pdelaney@blackfoxmining.com
Date/Time:	2025-08-28 12:34 (Time Zone: -06:00)

Report Last Signed By

User:	pdelaney@alexcoresource.com
Name:	Patrick Delaney
E-Mail:	pdelaney@blackfoxmining.com
Date/Time:	2025-08-28 12:34 (Time Zone: -06:00)