

## ANALYTICAL SUMMARY REPORT

October 12, 2020

Skyline Ranch Improvement Service Dist PO Box 3601 Jackson, WY 83001

Work Order: C20100053

Project Name: WY5600217

Energy Laboratories, Inc. Casper WY received the following 1 sample for Skyline Ranch Improvement Service Dist on 9/16/2020 for analysis.

Lab ID	Client Sample ID	Collect Date Rec	eive Date	Matrix	Test
C20100053-001	3155 Teal	09/15/20 11:30 0	09/16/20	Drinking Water	Asbestos in Water

The analyses presented in this report were performed by Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. 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.

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

Report Approved By:



#### LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch Client: Skyline Ranch Improvement Service Dist Client Sample ID: 3155 Teal PWS #: WY5600217 Name: SKYLINE RANCH I&S DISTRICT Facility ID:DIST SamplingPoint/Location: DIST / 3155 Teal Project ID:WY5600217 Collector's Name: Not Provided Contact Phone #: Compliance Sample: YES Sample Type: RT

Lab ID: C20100053-001 Report Date: 10/12/20 Collection Date: 09/15/20 11:30 Date Received: 09/16/20 Matrix: Drinking Water Federal ID#: WY00002

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FRDS Analyses	Result	Units	MCL Qual RL QCI	-	Analysis Date / By
NON-METALS					
Actinolite	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
Amosite	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
Anthophyllite	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
Chrysotile	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
Crocidolite	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
1094 Total Asbestos	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
Tremolite	<as< td=""><td>MFL</td><td>0.200</td><td>E100.2</td><td>09/16/20 12:00 / ALS</td></as<>	MFL	0.200	E100.2	09/16/20 12:00 / ALS
*** Apolygia porformed by ALS Cinging	*				

Analysis performed by ALS Cincinnati



Contact: Alyson Degnan Company: Energy Laboratories Address: P.O. Box 3258, 2393 Salt Creek Highway 82601 Casper, WY 82602-3258

Project / Location: Skyline Ranch ISD PO Number: NA ALS Work Order: 20090484 NARRATIVE: Analysis performed on FEI Tecnai G2 Spirit Twin TEM equipped with EDAX Octane T Plus Silicon Drift Detector System, and Z2 Analyzer. Fiber morphology, SAED, and EDXA used to determine species. All sample collection is performed outside ALS and is the sole responsibility of client. If sample collection deviates from any method requirement interpretation of the results via the method cannot be made. NOTICE: Drinking waters for EPA compliance must be received and filtered within 48 hours of sampling. ALS Cincinnati cannot submit results to any state EPA unless all of the sampling and reference information required by the state is included on the specific state drinking water form which must accompany the sample upon receipt by ALS Cincinnati. Failure to include the state form in shipment or to provide the necessary information may result in additional fees associated with amending the original data package. ALS Cincinnati cannot be held responsible for late or inaccurate state EPA reporting as a result of sample collection, submission, or information errors or omissions. METHOD CODE: "EPA 100.2" refers only to drinking (potable) waters for EPA compliance filtered on 0.22µm pore sized MCE filters. "EPA 100.1" refers only to potable waters for EPA compliance filtered on 0.1µm pore sized polycarbonate filters. "ENV 005" refers to all non-potable waters regardless of origin, use, or method requested. All excess water samples are disposed after adequate filtration. Filtered samples are disposed after 60 days. TEM grids archived 3 years. Results apply only to portions analyzed. SUMMARY: An AS of <0.2 MFL is desired for drinking (potable) waters, and an AS of <7 MFL is generally acceptable for non-potable waters. Whenever possible, a sufficient volume is analyzed to yield the desired AS based on the detection of one confirmed asbestos fiber in the total area analyzed. However, samples containing excessive suspended solids may require filtration of volumes too low to achieve the desired AS. All water samples are analyzed at >10,000x magnification for asbestos fibers >10µm long. A minimum of 4 and maximum of 10 grid openings are analyzed regardless of the AS reached or the asbestos concentration detected. NA=Not Applicable, AS=Analytical Sensitivity, MFL=Millions of Fibers per Liter, MRL=Method Reporting Limit ALS Cincinnati accredited by NY ELAP for Asbestos in Water by EPA 100.2 OH State Lab No.: 4077, OH Analyst Nos.: 2268 (P. Hizar), 3431 (A. Sohn) PA State Lab No.: 68-01320, PA Certification No.: 003 WA State Lab No.: 211 NY State Lab No.: 11371 CAS Nos.: 1332-21-4 Asbestos (All Forms) 12001-29-5 **Chrysotile Asbestos** 12001-73-5 Amosite Asbestos 12001-28-4 Crocidolite Asbestos Actinolite Asbestos 77536-66-4

- 77536-68-6 Tremolite Asbestos
- 77536-68-5 Anthophyllite Asbestos

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IDENTIFICATION	
Client Sample ID:	WY5600217
ALS Sample ID:	20090484-01
Method:	EPA 100.2
MRL:	<0.2MFL
Collection Date:	9/15/2020
Collection Time:	11:30
Filtration Date:	9/16/2020
Filtration Time:	12:00
ANALYSIS	
Analyst:	Pamela Hizar
Analysis Date:	9/21/2020
Analysis Time:	12:20
Volume Analyzed (L):	0.15
Openings Analyzed:	4
Avg. Opening Area (mm <sup>2</sup> ):	0.0101
AS (MFL):	0.18
ASBESTOS COUNT	
Chrysotile:	0
Amosite:	0
Crocidolite:	0
Actinolite:	0
Tremolite:	0
Anthophyllite:	0
Total Asbestos:	0
ASBESTOS CONCENTRAT	· · · · ·
Chrysotile:	<as< td=""></as<>
Amosite:	<as< td=""></as<>
Crocidolite:	<as< td=""></as<>
Actinolite:	<as< td=""></as<>
Tremolite:	<as< td=""></as<>
Anthophyllite:	<as< td=""></as<>
Total Asbestos:	<as< td=""></as<>

### NOTES

Results were not reported directly to EPA as information required to do so was incomplete and/or the samples are not drinking water for EPA compliance.



C20100053

# Work Order Receipt Checklist

Skyline Ranch Improvement Service Dist

Login completed by:	Tracy L. Baughman		Date I	Received: 9/16/2020
Reviewed by:	Misty Stephens		Rec	ceived by: ALS
Reviewed Date:	10/6/2020		Carr	ier name: NDA
Shipping container/cooler in	good condition?	Yes 🗹	No 🗌	Not Present
Custody seals intact on all sl	nipping container(s)/cooler(s)?	Yes 🗹	No 🗌	Not Present
Custody seals intact on all sa	ample bottles?	Yes 🗌	No 🗌	Not Present 🗹
Chain of custody present?		Yes 🗹	No 🗌	
Chain of custody signed whe	en relinquished and received?	Yes 🗹	No 🗌	
Chain of custody agrees with	a 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 h (Exclude analyses that are consuch as pH, DO, Res CI, Su	onsidered field parameters	Yes 🖌	No 🗌	
Temp Blank received in all sl	nipping container(s)/cooler(s)?	Yes	No 🗌	Not Applicable 🗸
Container/Temp Blank tempe	erature:	16.2°C On Ice		
Water - VOA vials have zero	headspace?	Yes 🗌	No 🗌	No VOA vials submitted $\checkmark$
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.

Radiochemical precision results represent a 2-sigma Total Measurement Uncertainty.

### **Contact and Corrective Action Comments:**

None

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Mailing Address	Meiling Addrese	8 (	
City, State, Zip	City, State, Zip		
rela Skilmerandrish.com	Email (	hunderoperations O gonal com	
Purchase Order Quote Bottle Order	Special Report Formets:	Special ReportFormats:	
Project Information	Matrix Codes		
Project Name, PWSID, Permit, etc. WMS6002 ( 7	A - Ar		All turnaround times are standard unless marked as
Sampler Name Grin, has Harring Sampler Phone 60 0-55 3	S. Sollar		RUSH.
	UNO V-		
URANIUM MINING CLIENTS MUST indicate sample type.	DW - Dithung	u usti	a Charges and scheduling - See instructions Page
□ 11e.(2) Byproduct Material (Can ONLY be Submitted to ELI Casper Location)			At
Sample Identification Collection (Neme, Location, Interval, etc.) Date T	Time Number of Matrix Containers (See Cores	I	See TAT ELI LAB ID
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Chain of Custody & Analytical Request Record EF 00 90484 Report Information (If different then Account Information) Company/Name learneter Operetrins

Company/Name Sky June Kaved Account Information (Billing information)

ENERGY (3)

Trust our People, Trust our Data.

Comments Page\_ ្ម