




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Pinon Mine	MINE/PROSPECTING ID#: M-1997-094	MINERAL: Stone	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: December 5, 2024	INSP. TIME: 12:45
OPERATOR: Siloam Stone, Inc.	OPERATOR REPRESENTATIVE: Mr. Matthew Mueller	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$8,300.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Jocelyn Carter Ursula Armstrong	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: January 6, 2025	

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION-- <u>N</u>	(ST) STIPULATIONS----- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

The inspection of the Pinion Mine, Permit No. M-1997-094, was conducted by Jocelyn Carter and Ursula Armstrong on behalf of the Division of Reclamation, Mining, and Safety (Division/DRMS). Pinion Mine is operated by Siloam Stone, Inc. and Matthew Mueller was present for the inspection on their behalf. The inspection took place during the afternoon and the weather was clear with cool temperatures and some snow on the ground.

Pinion Mine is a 110c permit, with 6.3 acres, extracting rip-rap and decorative stone and the post mine land use for the permit area is rangeland. The site is located about 8.5 miles southeast of Wetmore in Pueblo County. To access the site from the intersection of Colorado 67 (CO-67) and Colorada 96 (CO-96) in Wetmore, travel east on CO-96 for 6.8 miles, turn south on Siloam Rd and continue on Siloam Rd for 8 miles, the entrance to the site is on the east side of the road. The Pinion Mine is located within the Bedrock Mine #1, permit M-1997-086, which is operated by the Siloam Stone, Inc. It is also located directly west of the Siloam Mine, permit M-1977-326, operated by General Shale Brick, Inc. The two operators have a working relationship.

There was no mining activity occurring on the permit at the time of the inspection. Mining on the west side of the permitted area is complete, according to Mr. Mueller. It has been backfilled and graded and is currently being used to store product material. The east side of the permit area has not yet been mined but is expected to be mined in the future. The east side is also being used to store product material, see Photo #2.

The financial warranty held by the Division for this permit is \$8,300. An updated reclamation cost estimate was calculated for this inspection and the current financial warranty is no longer adequate. The updated reclamation cost estimate is attached with this inspection report.

Photos taken during the inspection are included in this report. Questions regarding this inspection should be directed to me, Jocelyn Carter, by email at Jocelyn.carter@state.co.us or by phone at (720) 666-1065.

Records

A records review was performed for this inspection. There are no open violations or other enforcement issues with the permit. The last inspection of the site was completed by Patrick Lennberg on July 14, 2020. The 2024 annual report, map, and fees were submitted on November 14, 2024.

Signs and Markers

There is a sign at the entrance of the mine site in accordance with Rule 3.1.12(1). Markers were not verified during the inspection.

Financial Warranty

The current financial warranty held for this permit is \$8,300. The updated reclamation cost estimate for the current disturbances observed on site was recalculated to be \$21,320. This is an increased amount of \$13,020. The Division will issue a Surety Increase to the Operator.

Backfill & Grading

The western portions of the site that have been backfilled and graded appear to be stable and in good condition.

Roads

There is a road that is located through the permit site and is used by the three mining operations in the vicinity. The road appears to be stable and in good condition.

Explosives

The permit does have a blasting plan in place, approved through technical revision TR-1 in September of 1998. Mr. Mueller stated that the last time explosives were used at the site had been years but was unable to say for sure when.

Topsoil

There is one topsoil stockpile that is stored along the western perimeter of this permit site, see Photo #3. However, there are numerous topsoil stockpiles in the vicinity that are kept for the purpose of reclamation of all three permit areas. The topsoil stockpiles for the three mining operations appeared to be well vegetated, stable, and adequate in volume for reclamation purposes.

PHOTOGRAPHS



Photo #1: Mine sign at the entrance of the site, the upper sign seen on this post is for this permit.



Photo #2: View of the northern section of the permit area on the road, looking to the southeast. Product material is stored on either side of the road, palletized material is stored on the southwest side.



Photo #3: View of the western section of the permit area that has been backfilled and graded, looking to the west-southwest from the road. The topsoil stockpile can be seen covered in snow.

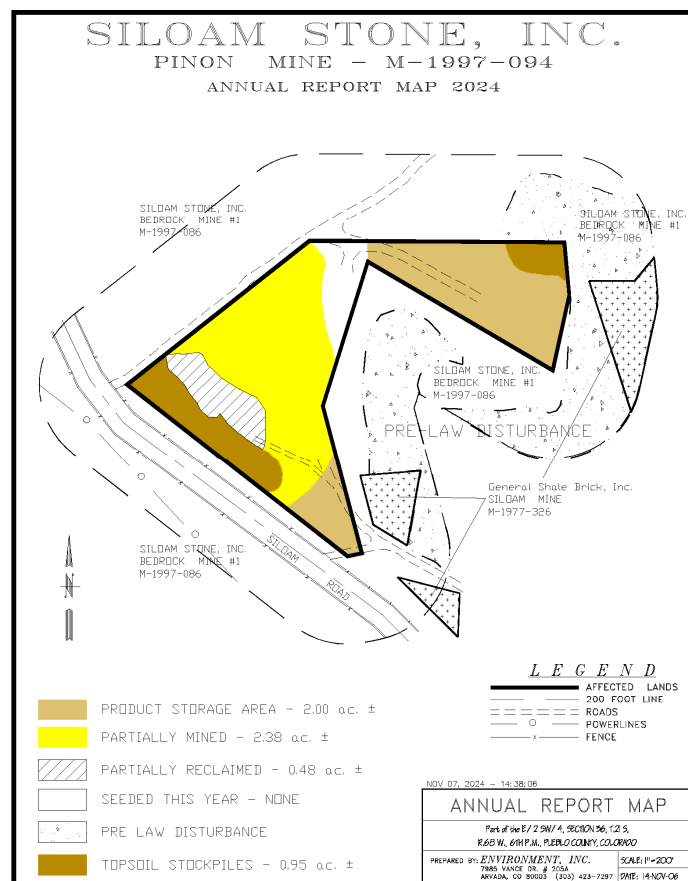


Photo #4: View of the material stored on the northwestern portion of the permit area, looking to the northwest

from the road.



Photo #5: View of palletized product material stored in the southwestern portion of the permit area.



2024 annual map submitted for the Pinion Mine permit.

Inspection Contact Address

Mr. Matthew Mueller
Siloam Stone, Inc.
3194 Siloam Rd.
Beulah, CO 81023

Enclosure: Division Reclamation Cost Estimate 2024

CC: Amy Eschberger, DRMS
Ursula Armstrong, DRMS

COST SUMMARY WORK

Task description: Cost Summary

Site: Pinon Mine

Permit Action: 2024 Inspection

Permit/Job#: M1997094

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 12/19/2024

County: Pueblo

Filename: M094-000

User: JLC

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Topsoil: 12-in over 2.70 acres	DOZER	1	10.65	\$2,335
002	Revegetation	REVEGE	1	12.00	\$11,670
003	Mobilization	MOBILIZE	1	3.34	\$1,932
<u>SUBTOTALS:</u>				25.99	\$15,937

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$322

Performance bond: 1.05

Total = \$167

Job superintendent: 13.09

Total = \$1,038

Profit: 10.00

Total = \$1,594

TOTAL O & P = \$3,121

CONTRACT AMOUNT (direct + O & P) = \$19,058

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$810

Reclamation management and/or administration: 5.00

\$953

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$5,383

TOTAL BOND AMOUNT (direct + indirect) = \$21,320

BULLDOZER WORKTask description: Topsoil: 12-in over 2.70 acresSite: Pinon MinePermit Action: 2024 InspectionPermit/Job#: M1997094**PROJECT IDENTIFICATION**Task #: 001State: ColoradoAbbreviation: NoneDate: 12/19/2024County: PuebloFilename: M094-001User: JLCAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D7R DS XR Series IIHorsepower: 240Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$90.24</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$78.95</u>	<u>100</u>
Ripper own.		
Cost/Hour:	<u>\$9.25</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.78</u>	<u>15</u>
Operator Cost/Hour:	<u>\$40.04</u>	<u>NA</u>
Total unit Cost/Hour:	<u>\$219.26</u>	
Total Fleet Cost/Hour:	<u>\$219.26</u>	

MATERIAL QUANTITIESInitial Volume: 4,350Swell factor: 1.000Loose volume: 4,350 LCYSource of estimated volume: Division of Reclamation, Mining & Safety

Source of estimated swell

factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 150 feetUnadjusted hourly
production: 518.9 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push
gradient: -5 %Average site altitude: 5,850 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% EarthJob Condition Correction FactorSource

Operator Skill:	0.900	(AB.AVG.)
Material consistency:	1.100	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.900	(SSD-FC)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7873

Adjusted unit
production: 408.53 LCY/hr
Adjusted fleet
production: **408.53** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$0.537/LCY

Total job time: **10.65** Hours
Total job cost: **\$2,335**

REVEGETATION WORKTask description: **Revegetation**Site: **Pinon Mine**Permit Action: **2024 Inspection**Permit/Job#: **M1997094****PROJECT IDENTIFICATION**Task #: **002**State: **Colorado**Abbreviation: **None**Date: **12/19/2024**County: **Pueblo**Filename: **M094-002**User: **JLC**Agency or organization name: **DRMS****TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Weed control spraying (MEANS 31 31 16.13 3100)	\$338.80
Total Tilling Cost/Acre	\$456.41

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.50	8.16	\$10.66
Sideoats Grama - Butte	3.00	9.85	\$72.47
Thickspike Wheatgrass - Critana	1.00	3.54	\$8.15
Western Wheatgrass - Barton	2.00	5.05	\$18.79
Needlegrass, Green - Lodorm	1.00	4.16	\$8.65
Prairie Junegrass	0.50	26.58	\$24.37
Totals Seed Mix	8.00	57.33	\$143.08

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$236.64
Total Seed Application Cost/Acre	\$236.64

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$492.78	\$985.56
Total Mulch Materials Cost/Acre				\$985.56

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$85.37

Total Mulch Application Cost/Acre	\$85.37
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JOB TIME AND COST

No. of Acres:	<u>6</u>	Cost /Acre:	<u>\$1,907.06</u>
Estimated Failure Rate:	<u>10%</u>	Cost /Acre*:	<u>\$379.72</u>
*Selected Replanting Work Items:	<u>SEEDING</u>		
Initial Job Cost:	<u>\$11,442.36</u>		
Reseeding Job Cost:	<u>\$227.83</u>		
Total Job Cost:	<u>\$11,670</u>		
Job Hours:	<u>12.00</u>		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization**Site: **Pinon Mine**Permit Action: **2024 Inspection**Permit/Job#: **M1997094****PROJECT IDENTIFICATION**Task #: **003**State: **Colorado**Abbreviation: **None**Date: **12/19/2024**County: **Pueblo**Filename: **003**User: **JLC**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$10.44	\$22.18	\$23.94
Operating Cost/Hour:	\$26.48	\$54.55	\$55.65
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$59.44	\$122.78	\$125.64

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D7R DS XR Series II	35.93	\$99.49	\$122.78	1	\$222.27	\$122.78	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00

Subtotals: **\$322.73** **\$182.22** **\$500.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 1 T. Crew	\$24.60	1	\$24.60	\$24.60

Subtotals: **\$24.60** **\$24.60**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>PUEBLO</u>	
Total one-way travel distance:	<u>35.00</u>	miles
Average Travel Speed:	<u>55.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$1,900.85</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$31.31</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.64</u>	<u>0.64</u>
Return Time (Hours):	<u>0.64</u>	<u>0.64</u>
Loading Time (Hours):	<u>0.20</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.20</u>	<u>NA</u>
Subtotals:	<u>1.67</u>	<u>1.27</u>

JOB TIME AND COST

Total job time:	<u>3.35</u>	Hours
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Total job cost:	<u>\$1,932</u>
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