




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: Buss Barrow Pit	MINE/PROSPECTING ID#: M-2019-021	MINERAL: Borrow material for	COUNTY: Fremont
INSPECTION TYPE: Surety-Related Inspection	INSPECTOR(S): Timothy Cazier	INSP. DATE: May 12, 2020	INSP. TIME: 13:20
OPERATOR: Fremont Paving & Redi-Mix, Inc.	OPERATOR REPRESENTATIVE: Jodi Schreiber	TYPE OF OPERATION: 111 - Construction by Government Agency	
REASON FOR INSPECTION: Surety Related	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$26,168.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: Other Agency – Fremont Conservation District	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 14, 2020	

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

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

OBSERVATIONS

This inspection was conducted by Tim Cazier (DRMS) as part of a surety reduction request. The Permittee (Fremont Paving & Redi-Mix) was represented by Ms. Jodi Schreiber during the inspection. The Fremont Conservation District was represented by Mr. Greg Langer, Ms. Debbie Mitchell and Ms. Mia Cory during the inspection. The Buss Barrow Pit site entrance is located off US 50, approximately four miles northwest of Coaldale, CO. This is a 111 borrow mine.

Availability of Records: This is a new permit, annual fees are not due till the first anniversary on June 4, 2020. The previous inspection was on August 6, 2019, no problems were cited. The approved post-mine land use is rangeland. Both the surface and minerals are privately owned.

Backfilling and Grading: Backfill has been completed. All slopes were observed to be 3H:1V or flatter (see **Photo 1**). *[Note: the small material stockpile will need to be removed prior to final reclamation release.]*

Financial Warranty: The DRMS currently holds a \$26,168 bond. Your surety reduction request included an updated estimate for five acres of reseeding at \$4,000. Our estimate for five acres is \$8,376 (see attached **Cost Summary**). The DRMS will recommend a surety reduction to \$8,376.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on site observations.

Reclamation Success: Slopes were observed to be appropriately flattened. Ms. Schreiber stated the site had been seeded the day before the inspection. Mulch was being applied at the time of the inspection (see **Photo 2**).

Revegetation: No noxious weeds were observed.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

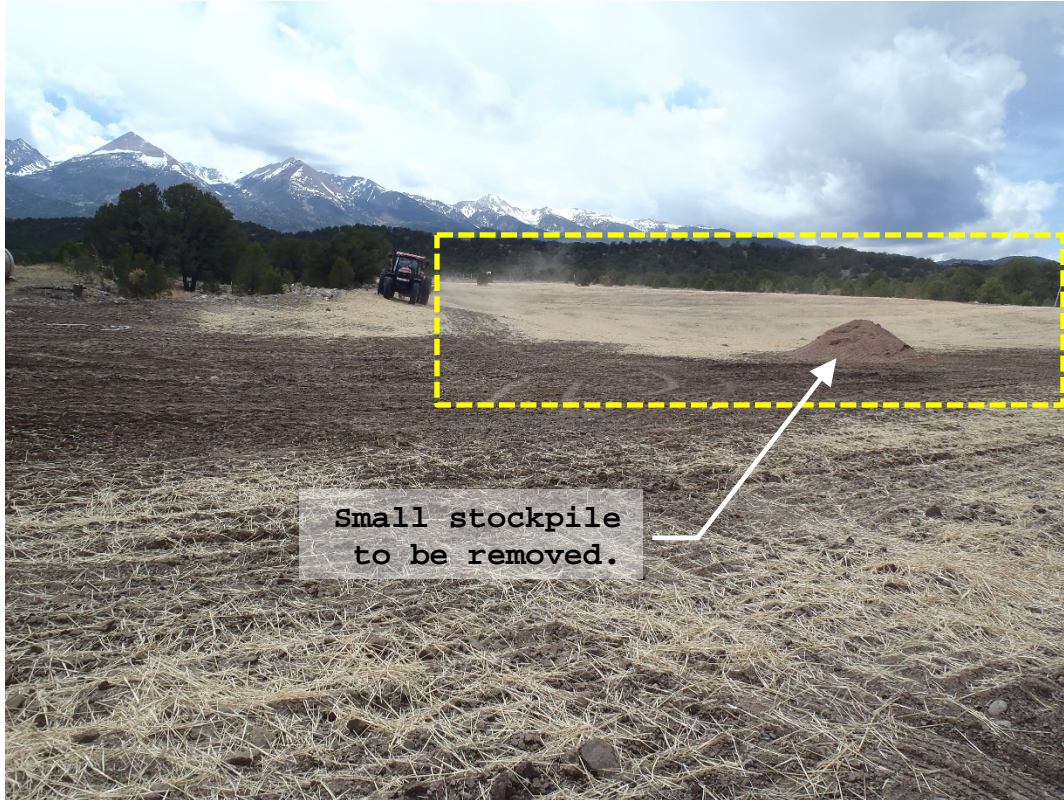
Signs and Markers: The permit sign was properly posted (see **Photo 3**) and boundary markers were observed to delineate the permit boundary (see **Photo 4**).

Storm Water MGT Plan: No oil or fuel spills observed.

SUMMARY: The DRMS will recommend approval of the surety reduction (to \$8,376) request. You will be notified under separate cover of our approval.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Small stockpile
to be removed.

Photo 1. Flattened pit slopes (looking WSW).



Photo 2. Straw mulch bales (in staging area) and application equipment.

PHOTOGRAPHS (cont.)



Photo 3. Permit sign (at entrance).



Photo 4. Typical permit boundary marker (east side, looking NW).

Inspection Contact Address

Jodi Schreiber
Fremont Paving & Redi-Mix, Inc.
P O Box 841
Cañon City, CO 81215

Enclosure – Reclamation Cost Estimate

ec: DRMS file
Jodi Schreiber, Fremont Paving
Greg Langer, FCD
Debbie Mitchell, FCD
Mia Cory, FCD

COST SUMMARY WORK

Task description: Surety Reduction Cost Estimate

Site: Buss Barrow Pit

Permit Action: SR-01

Permit/Job#: M2019021

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 5/14/2020

County: Fremont

Filename: M021-000

User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
010	Reveg 5 Acres	REVEGE	1	3.00	\$5,926
030	Mob/Demob Equipment	MOBILIZE	1	2.36	\$690
<u>SUBTOTALS:</u>				5.36	\$6,616

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$134

Performance bond: 1.05

Total = \$69

Job superintendent: 2.68

Total = \$186

Profit: 10.00

Total = \$662

TOTAL O & P = \$1,051

CONTRACT AMOUNT (direct + O & P) = \$7,667

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$326

Reclamation management and/or administration: 5.00

\$383

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,760

TOTAL BOND AMOUNT (direct + indirect) = \$8,376

REVEGETATION WORKTask description: Reveg 5 AcresSite: Buss Barrow PitPermit Action: SR-01Permit/Job#: M2019021**PROJECT IDENTIFICATION**Task #: 010State: ColoradoAbbreviation: NoneDate: 5/14/2020County: FremontFilename: XxxUser: TC1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	1.50	24.48	\$23.96
Indian Ricegrass - Nespar	5.00	16.18	\$44.38
Little Bluestem - Pastura	3.50	20.89	\$47.19
Sideoats Grama - Vaughn	4.50	14.77	\$37.69
Streambank Wheatgrass - Sodar	5.50	17.93	\$31.35
Western Wheatgrass - Arriba	8.00	20.20	\$52.00
Totals Seed Mix	28.00	114.46	\$236.57

Application

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00
Total Seed Application Cost/Acre	\$232.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$295.00	\$590.00
Total Mulch Materials Cost/Acre				\$590.00

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Total Mulch Application Cost/Acre	\$70.17

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres:	<u>5</u>	Cost /Acre:	<u>\$1,128.74</u>
Estimated Failure Rate:	<u>5%</u>	Cost /Acre*:	<u>\$1,128.74</u>
*Selected Replanting Work Items:	<u>SEEDING,MULCHING</u>		
Initial Job Cost:	<u>\$5,643.70</u>		
Reseeding Job Cost:	<u>\$282.19</u>		
Total Job Cost:	<u>\$5,926</u>		
Job Hours:	<u>3.00</u>		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob Equipment**Site: **Buss Barrow Pit**Permit Action: **SR-01**Permit/Job#: **M2019021****PROJECT IDENTIFICATION**Task #: **030**State: **Colorado**Abbreviation: **None**Date: **5/14/2020**County: **Fremont**Filename: **Yyy**User: **TC1**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:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

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
Drill/Broadcast Seeder with Tractor	25.00	\$18.15	\$67.39	1	\$85.54	\$67.39	\$250.00

Subtotals: **\$85.54** **\$67.39** **\$250.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
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Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	<u>SALIDA</u>	
Total one-way travel distance:	<u>17.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$689.53</u>
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	<u>\$0.00</u>
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.34</u>	<u>0.34</u>
Return Time (Hours):	<u>0.34</u>	<u>0.34</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>1.18</u>	<u>0.68</u>

JOB TIME AND COST

Total job time:	<u>2.36</u>	Hours
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Total job cost:	<u>\$690</u>
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