




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: Dellacroce Pit	MINE/PROSPECTING ID#: M-1993-050	MINERAL: Gravel	COUNTY: El Paso
INSPECTION TYPE: Surety-Related Inspections	WEATHER: Cloudy (both visits)	INSP. DATES: January 24, 2023 November 29, 2023	INSP. TIMES: 13:20 12:25
OPERATOR: Raymond F. & Robert W. Dellacroce	OPERATOR REPRESENTATIVE: Angela Bellantoni	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Related	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$74,200.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Timothy Cazier, P.E.	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: December 18, 2023	

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>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</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>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	

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

OBSERVATIONS

Two surety release requests were processed in 2023 for this site. The first (SR-1) was submitted on December 27, 2022; followed by an inspection on January 24, 2023. During that inspection, it was found that not all the required grading had been completed. As a result, SR-1 was withdrawn the following day (1/25/2023). This report provides a brief discussion of the observations from the January inspection. The second release request (SR-2) was submitted on November 6, 2023; followed by an inspection on November 29th. The majority of this report focusses on the observations from the latter inspection.

The Permittee (Raymond F. & Robert W. Dellacroce) was represented by Dr. Angela Bellantoni (Pioneer Sand) during both inspections. The Dellacroce Pit is accessed from West Baptist Road on which the entrance is located approximately one mile west of Interstate 25 (exit 158). This is a 112c gravel mine. The site was not active at the time of either inspection as it is in final reclamation. The site was covered with a few inches of snow at the time of the January inspection, limiting observations to general sloping and contouring, except where the snow had melted. Snow was also present during the November inspection, but had mostly melted and most of the ground was visible.

Availability of Records: Annual reports are current, having been filed through February 2023, stating the last mining activity was November 13, 2020. The last inspection prior to the January 24th inspection was on February 2, 2022. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned.

Backfilling and Grading:

January - Material stockpiles were observed near the sediment pond (see **Photo 1**). Subsequent to this inspection, Dr. Bellantoni stated the landowner wished to keep this material for use on their property. The DRMS will need a signed written request from the landowner stating the material will only be used on their property, in order to keep the material stockpiles after final reclamation.

November – All backfilling and grading appeared to conform to the approved reclamation plan. No stockpiles were present near the sediment pond (see **Photo 2**).

Excess Spoil and Dev. Waste: No overburden piles were observed during either inspection.

Financial Warranty: The DRMS currently holds a \$74,200 bond. Based on observations made during the November inspection and a review of Google Earth satellite imagery dated 4/23/2023 (see **Figure 1**), the DRMS has revised the required bond to \$37,112 (see **Attachment A**). [If this amount is acceptable to the Permittee, the DRMS will recommend approval of the SR-2 request.](#)

Fish and Wildlife: No impact to wildlife was observed during either inspection.

Hydrologic Balance:

January – Snow on the ground prevented observations related to potential ponded water.

November – No standing water was observed in the pit and no exposed groundwater was observed. A new sediment pond had been constructed (see **Figure 1** and **Photo 3**). A sediment pond was approved in Amendment 1 (AM-1) for the upper portion of the permit, but the approved location was on the north side of west end (upper mine). As this was not a practical location due to site grading, the newly

constructed sediment pond is on the north side of the east end of the upper mine. Dr. Bellantoni explained that it was constructed in this location to help prevent erosion of the regraded area between the upper mine area and the lower/east mine area (see **Photo 4**). Although no water was observed in the pond, the [Permittee should be aware stormwater cannot be retained for more than 72 hours in accordance with Colorado Division of Water Resources \(DWR\) regulations](#).

Roads:

November – Much of the access road outside the permit boundary and a short segment within the permit boundary had been regraded to be a single lane road. The access roads did not appear to be a source of sediment that could be tracked offsite.

Right of Entry: The permittee is the landowner.

Reclamation Success:

January – Highwalls along the north side of the upper mine area (see **Photo 5**) had not been sloped to 3H:1V or flatter. This is the reason the SR-1 request was withdrawn as mentioned in the introduction to this report. Dr. Bellantoni indicated topsoil had been placed in all reclaimed areas except where the north side highwalls had not been reduced. She also stated seeding had not yet occurred.

November – The ungraded highwalls observed in January had been properly sloped (see **Photo 6**). Dr. Bellantoni indicated all areas, except for the recently hydromulched (slope between the upper and lower mine areas) and erosion control blanketed areas (near the east sediment pond), see **Figure 1** had been seeded earlier this year. The recently hydromulched and erosion control blanketed areas had been completed just prior to submitting the SR-2 request.

Revegetation:

January – Seeding had not yet occurred.

November – Areas seeded earlier in 2023 showed preliminary growth of grasses (**Photo 7**). A few specimens of knapweed were observed, but not sufficient to cite a problem. A noxious weed control plan was submitted with AM-2 and approved. The [Permittee should implement the noxious weed control plan to prevent the knapweed from becoming a problem](#).

Sediment Control: Some minor erosion problems were observed during the November site visit, but no BMPs were needed at the time of the inspection. Dr. Bellantoni stated the erosion gully between the upper and lower mine areas had been repaired twice. The second time, rock check dams (see **Photo 4**) were added to help prevent a recurrence.

Signs and Markers: The permit sign remains properly posted (**Photo 8**). The affected area boundary had been marked using the perimeter visual berms, which have been regraded. No appurtenant markers (e.g., t-posts) require removal for final reclamation.

Permit Stipulations: There are no permit stipulations.

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

Post Inspection Meeting: No problems were noted during the inspection. The DWR regulation limiting stormwater impoundment to 72 hours was relayed to Dr. Bellantoni. The DRMS committed to updating the

bond estimate based on site observations. The new estimate is included in **Attachment A**.

Please contact Tim Cazier (303)328-5229 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Material stockpiles near east sediment pond (January, looking SW).

PHOTOGRAPHS (cont.)



Photo 2. Removed material stockpiles, regraded area near east sediment pond (November, looking SW).



Photo 3. Newly constructed sediment pond (November, looking NE).

PHOTOGRAPHS (cont.)



Photo 4. Erosion blanket covered slope between upper and lower mine areas (November, looking west).



Photo 5. Unflattened highwalls (January, upper north side, looking NW).

PHOTOGRAPHS (cont.)



Photo 6. Regraded highwalls (November, upper north side, looking NW).



Photo 7. Emerging grasses (November, slope immediately south of erosion control blanket).

PHOTOGRAPHS (cont.)



Photo 8. Posted permit sign (November, near east sediment pond area).

Inspection Contact Address

Angela Bellantoni
Pioneer Landscape Centers
630 Plaza Drive, Suite 150
Highlands Ranch, CO 80129

Enclosures: Figure 1. Dellacroce Pit Post SR-2 Inspection
Attachment A – Cost Summary Work

ec: Hunter Ridley, DRMS
DRMS file
Angela Bellantoni, PhD, Pioneer

Figure 1. Dellacroce Pit Post SR2 Inspection (11/29/2023)

Satellite imagery from 4/23/2023

Legend

- M-93-50 2023-04-23 New Mulch Area (7.93 Ac)
- M-93-50 2023-04-23 UpperAff. Area (22.7 Ac)
- M-93-50 Adjusted Permit Boundary (AM-2)
- M-93-50 Remaining Rd (1.5 Ac)



ATTACHMENT A

COST SUMMARY WORK

Task description: Cost Summary

Site: Dellacroce Pit

Permit Action: SR-2

Permit/Job#: M1993050

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 11/28/2023

County: El Paso

Filename: M050-sss

User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
004A	Hold 50% for Reveg of Upper 22.7 Acres	REVEGE	1	22.00	\$18,430
004B	Hold 75% for Reveg of Newly Mulched Lower 7.93 Acres	REVEGE	1	12.00	\$9,661
005	Mob/Demob	MOBILIZE	1	2.60	\$726
<u>SUBTOTALS:</u>				36.6	\$28,817

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 21.30
Profit: 10.00

Total = \$582

Total = \$303

Total = \$1,386

Total = \$2,882

TOTAL O & P = \$5,153

CONTRACT AMOUNT (direct + O & P) = \$33,970

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0
Engineering work and/or contract/bid preparation: 4.25
Reclamation management and/or administration: 5.00

Total = \$0

Total = \$1,444

\$1,698

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$8,295

TOTAL BOND AMOUNT (direct + indirect) = \$37,112

REVEGETATION WORKTask description: Hold 50% for Reveg of Upper 22.7 AcresSite: Dellacroce PitPermit Action: SR-2Permit/Job#: M1993050PROJECT IDENTIFICATIONTask #: 004AState: ColoradoAbbreviation: NoneDate: 12/15/2023County: El PasoFilename: M050-004AUser: TC1Agency or organization name: DRMSFERTILIZING**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
Smooth Brome - Lincoln	2.00	6.66	\$6.65
Intermediate Wheatgrass - Oahe	2.00	4.27	\$5.60
Slender Wheatgrass - San Luis	0.80	2.92	\$3.40
Thickspike Wheatgrass - Critana	0.80	2.83	\$5.50
Western Wheatgrass - Arriba	2.40	6.06	\$15.60
Totals Seed Mix	8.00	22.74	\$36.75

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	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Total Mulch Application Cost/Acre	\$74.46

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:	11.35	Cost /Acre:	\$1,202.78
Estimated Failure Rate:	35%	Cost /Acre*:	\$1,202.78
*Selected Replanting Work Items:	SEEDING, MULCHING		
Initial Job Cost:	\$13,651.55		
Reseeding Job Cost:	\$4,778.04		
Total Job Cost:	\$18,430		
Job Hours:	22.00		

REVEGETATION WORKTask description: **Hold 75% for Reveg of Newly Mulched Lower 7.93 Acres**Site: **Dellacroce Pit**Permit Action: **SR-2**Permit/Job#: **M1993050****PROJECT IDENTIFICATION**Task #: **004B**State: **Colorado**Abbreviation: **None**Date: **12/15/2023**County: **El Paso**Filename: **M050-004B**User: **TC1**Agency 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
Smooth Brome - Lincoln	2.00	6.66	\$6.65
Intermediate Wheatgrass - Oahe	2.00	4.27	\$5.60
Slender Wheatgrass - San Luis	0.80	2.92	\$3.40
Thickspike Wheatgrass - Critana	0.80	2.83	\$5.50
Western Wheatgrass - Arriba	2.40	6.06	\$15.60
Totals Seed Mix	8.00	22.74	\$36.75

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	\$429.79	\$859.57
Total Mulch Materials Cost/Acre				\$859.57

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$74.46
Total Mulch Application Cost/Acre	\$74.46

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: 5.95 Cost /Acre: \$1,202.78
 Estimated Failure Rate: 35% Cost /Acre*: \$1,202.78
 *Selected Replanting Work Items: SEEDING, MULCHING

Initial Job Cost: **\$7,156.54**
 Reseeding Job Cost: **\$2,504.79**
 Total Job Cost: **\$9,661**
 Job Hours: **12.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Dellacroce Pit**Permit Action: **SR-2**Permit/Job#: **M1993050****PROJECT IDENTIFICATION**Task #: **005**State: **Colorado**Abbreviation: **None**Date: **11/28/2023**County: **El Paso**Filename: **005**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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

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	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$89.02** **\$82.29** **\$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>COLORADO SPRINGS</u>	
Total one-way travel distance:	<u>20.00</u>	miles
Average Travel Speed:	<u>50.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$726.07</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>0.40</u>	<u>0.40</u>
Return Time (Hours):	<u>0.40</u>	<u>0.40</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>1.30</u>	<u>0.80</u>

JOB TIME AND COST

Total job time:	<u>2.60</u>	Hours
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Total job cost:	<u>\$726</u>
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