




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: Sokol Pit	MINE/PROSPECTING ID#: M-1980-193	MINERAL: Sand and gravel	COUNTY: El Paso
INSPECTION TYPE: Monitoring	WEATHER: Windy	INSP. DATE: October 3, 2024	INSP. TIME: 12:00
OPERATOR: Rocky Mountain Materials and Asphalt, Inc.	OPERATOR REPRESENTATIVE: Phil Courtney	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$113,757.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Hunter Ridley	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 10, 2024	

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Gen. Mine Plan Compliance

PROBLEM/POSSIBLE VIOLATION: Problem: Failure to give notice of an intermittent operator status.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine plan to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 1/10/25

OBSERVATIONS

This inspection was conducted by Hunter Ridley with the Colorado Division of Reclamation, Mining and Safety (Division) as part of the normal monitoring program. The Permittee, Rocky Mountain Materials and Asphalt (RMMA) was represented by Phil Courtney during the inspection. The Sokol Pit is accessed from Soap Weed Rd (approximately 1.5 miles west of Calhan) where the pit entrance is approximately 2.75 south of US Hwy 24. This is a 112c sand and gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through October 2023. The previous inspection was on October 29, 2020. The approved post-mine land use is rangeland. There are no open infractions. The Division and the

Operator discussed updates to be made to the Annual Map to clarify where growth media piles are stored onsite.

Backfilling and Grading: Sufficient backfill material appeared to be available for final reclamation.

Excess Spoil and Dev. Waste: Overburden piles were observed in the southeast corner. Overburden is not distinct from topsoil in the area. Overburden piles appeared stable.

Financial Warranty: The Division currently holds a financial warranty amount of \$113,757.00 for this site. In an effort to ensure the Financial Warranty adequately reflects the actual current cost of fulfilling the requirements of the approved reclamation plan, the Division has updated the reclamation cost estimate. The Division has found the current bond to be inadequate for reclamation of the site. The updated required bond amount is \$175,224.00. This is an **increase of \$61,467.00**. A copy of staff calculations has been attached with this report. A notice of surety increase will be sent under separate cover.

Fish and Wildlife: No impacts to fish or wildlife were observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed. Several wash ponds are approved under the permit. These ponds are allowed to vary in size but should not be any larger than 100' wide by 200' long. Ponds would start out at approximately 15' to 20' deep. During the inspection, the concrete lined ponds were noted to be within the approved size limits. Ponds were dry and growing vegetation (Photos 2 and 3). An abandoned pump house is located in the middle of the main pit area (Photo 5).

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 35 acres. The current maximum affected area allowed at one time by the permit is 50 acres (approved in AM-01).

The approved mine plan (AM-01) allows the highwalls to be excavated at 1H:1V slopes, then backfilled to 3H:1V for reclamation. High walls were estimated to vary between 20 and 40 feet in height and showed signs of erosion. However, the Division was not concerned that this had the potential for offsite impacts. Several stockpiles of material were piled throughout the site, along with a pile of milled asphalt (Photo 1).

According to site representatives and information provided with the annual report, the site has not actively mined more material from highwalls since 2022. They have however, been removing a few piles of material each year for limited use. This use being less than 180 days per year. However, sale of stockpiled material is occurring via activity which does not fall under 'Indications of Temporary Cessation' as defined in Rule 1.13.2. Therefore, a notice to the Division for a status change to intermittent operation is appropriate. This status change is necessary for the Sokol Pit in order to remain in compliance with Rule 1.13 regarding temporary cessation requirements. **Therefore, the Division is citing a problem for failure to give notice of an intermittent operator status. The Operator shall, by the corrective action due date, submit to the Division a Technical Revision Application for Intermittent Status.**

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

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

Revegetation: No revegetation had been initiated at the time of the inspection. No noxious weeds were observed.

Sediment Control: Erosion rills and gullies were observed along all the highwalls onsite (Photos 4,7, and 8). However, this erosion had not progressed much since the Division's last inspection in 2020 and did not appear to be a source where sediment could be tracked offsite. Thus, no BMPs were needed at the time of the inspection.

Support Facilities On-site: No processing equipment was located onsite. The scale had been removed and the scale house remained, though this had been abandoned (Photo 1).

Signs and Markers: The permit sign was properly posted. Several larger company signs had blown down in the wind. Boundary markers consisted of fences on the east and south sides, and T-posts on the north and west sides.

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed. Empty and dried out flocculant storage tanks were located in the corner of the main pit (Photo 6). The Division does not consider flocculant to be a hazardous chemical and therefore does not require secondary containment. Stormwater drains to the pit and infiltrates within a sediment pond area (Photo 7).

Topsoil: Topsoil, not distinct from overburden has been stripped and stockpiled for reclamation in several areas, but mainly along the southeastern and northwestern corners of the main pit area (Photo 3). These are labeled 'reclamation piles' on the site's annual map.

Photographs taken during the inspection have been included below. Responses to this inspection report should be directed to: Hunter Ridley at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 720-868-7757 or via email at hunter.ridley@state.co.us

PHOTOGRAPHS



Photo 1: An empty scale house remains; the scale has been removed.



Photo 2: View west of the overgrown and dry wash ponds.



Photo 3: View southeast of a topsoil / overburden pile in the background, wash ponds are in the foreground.



Photo 4: View north of a highwall area.



Photo 5: View north of an abandoned pump house.

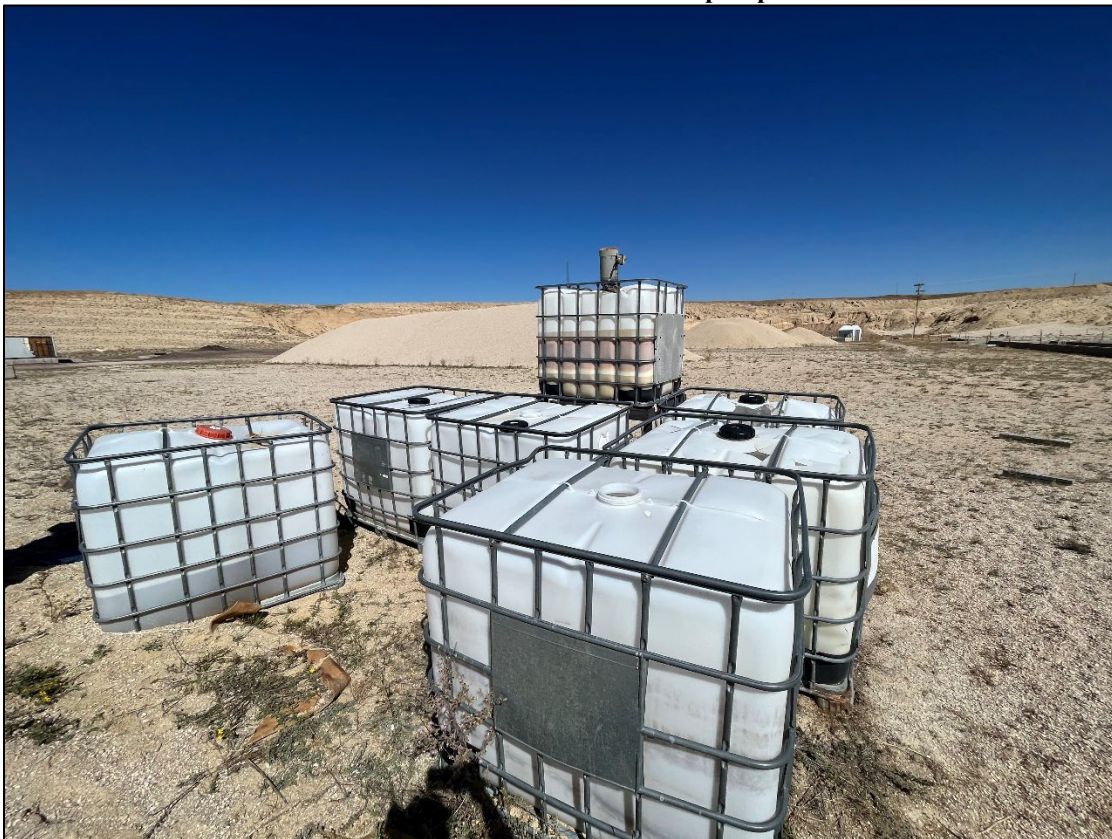


Photo 6: Empty and partially empty tanks of flocculant in the southwest corner of the open pit area.



Photo 7: View of the sediment pond area to the west of the wash pond area.



Photo 8: View north from within the site's western-most pit area.

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>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>N</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>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</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

Inspection Contact Address

Phillip Courtney
Rocky Mountain Materials and Asphalt, Inc. C/o Martin Marietta Materials, Inc.
1627 Cole Blvd, Suite 200
Lakewood, CO 80401

COST SUMMARY WORK

Task description: Post Inspection Update

Site: Sokol Pit

Permit Action: HCR 2024

Permit/Job#: M1980193

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 9/19/2024

County: El Paso

Filename: M193-000

User: HR1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Backfill and Grading	DOZER	1	23.30	\$8,060
002	Spread Topsoil (4") over 35 acres	DOZER	1	183.70	\$59,346
003	Revegetation of 35 acres	REVEGE	1	35.00	\$68,591
004	Mob and De-mob	MOBILIZE	1	1.66	\$1,621
005	Remove concrete pond structures	DEMOLISH	1	26.00	\$4,178
<u>SUBTOTALS:</u>				269.66	\$141,796

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,864

Performance bond: 1.05

Total = \$1,489

Job superintendent: 76.64

Total = \$6,075

Profit: 10.00

Total = \$14,180

TOTAL O & P = \$24,608

CONTRACT AMOUNT (direct + O & P) = \$166,404

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$500

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$8,320

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$33,428

TOTAL BOND AMOUNT (direct + indirect) = \$175,224

BULLDOZER WORKTask description: **Backfill and Grading**Site: **Sokol Pit** Permit Action: **HCR 2024** Permit/Job#: **M1980193****PROJECT IDENTIFICATION**

Task #:	001	State:	Colorado	Abbreviation:	None
Date:	9/19/2024	County:	El Paso	Filename:	M193-001
User:	HR1				

Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**

Basic Machine:	Cat D8T - 8SU
Horsepower:	310
Blade Type:	Semi-Universal
Attachment:	1-shank ripper
Shift Basis:	1 per day
Data Source:	(CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$173.32	NA
Operating Cost/Hour:	\$109.71	100
Ripper own. Cost/Hour:	\$13.69	NA
Ripper op. Cost/Hour:	\$9.24	100
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour:	\$346.00
Total Fleet Cost/Hour:	\$346.00

MATERIAL QUANTITIES

Initial Volume:	12,440
Swell factor:	1.125
Loose volume:	13,995 LCY

Source of estimated volume:	HCR inspection and Excel calc
Source of estimated swell factor:	Cat Handbook

HOURLY PRODUCTION

Average push distance:	100 feet
Unadjusted hourly production:	852.6 LCY/hr

Materials consistency description: **Consolidated stockpile 1.0**

Average push gradient:	-20 %
Average site altitude:	6,900 feet

Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed**

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.426	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.7046

Adjusted unit production: 600.74 LCY/hr

Adjusted fleet production: **600.74** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.576/LCY

Total job time: **23.30** Hours

Total job cost: **\$8,060**

BULLDOZER WORKTask description: Spread Topsoil (4") over 35 acresSite: Sokol PitPermit Action: HCR 2024Permit/Job#: M1980193**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 9/19/2024County: El PasoFilename: M193-002User: HR1Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$173.32	NA
Operating Cost/Hour:	\$109.71	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	100
Operator Cost/Hour:	\$40.04	NA

Total unit Cost/Hour: \$323.07Total Fleet Cost/Hour: \$323.07**MATERIAL QUANTITIES**Initial Volume: 18,822Swell factor: 1.125Loose volume: 21,175 LCYSource of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 350 feetUnadjusted hourly production: 233.3 LCY/hrMaterials consistency description: Consolidated stockpile 1.0Average push gradient: 0 %Average site altitude: 6,900 feetMaterial weight: 2,550 lbs/LCYWeight description: Earth - Dry packed**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.000	(CAT HB)
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit production: 115.27 LCY/hr

Adjusted fleet production: **115.27** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$2.803/LCY

Total job time: **183.70** Hours

Total job cost: **\$59,346**

REVEGETATION WORKTask description: Revegetation of 35 acresSite: Sokol PitPermit Action: HCR 2024Permit/Job#: M1980193**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 9/19/2024County: El PasoFilename: M193-003User: HR1Agency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Ammonium nitrate, 33-0-0	10.00	pound	\$0.64	\$6.42
Superphosphate, 0-20-0 with 12% S	40.00	pound	\$0.71	\$28.43
			Total Fertilizer Materials Cost/Acre	\$34.85

Application

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$43.12
Total Fertilizer Application Cost/Acre	\$43.12

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.61
Total Tilling Cost/Acre	\$117.61

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Hachita	0.20	3.26	\$5.73
Little Bluestem - Native	0.50	2.98	\$7.70
Sideoats Grama - Butte	0.90	2.95	\$21.74
Streambank Wheatgrass - Sodar	1.40	4.56	\$11.62
Western Wheatgrass - Arriba	1.60	4.04	\$14.45
Prairie Sandreed - Goshen	0.20	1.25	\$3.41
Totals Seed Mix	4.80	19.06	\$64.65

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
Straw, 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

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: 35 Cost /Acre: \$1,567.80
 Estimated Failure Rate: 25% Cost /Acre*: \$1,567.80
 *Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU
LCHING

Initial Job Cost: **\$54,873.00**
 Reseeding Job Cost: **\$13,718.25**
 Total Job Cost: **\$68,591**
 Job Hours: **35.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob and De-mob**Site: **Sokol Pit**Permit Action: **HCR 2024**Permit/Job#: **M1980193****PROJECT IDENTIFICATION**Task #: **004**State: **Colorado**Abbreviation: **None**Date: **9/19/2024**County: **El Paso**Filename: **M193-004**User: **HR1**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 D8T - 8SU	52.21	\$187.01	\$125.64	1	\$312.65	\$125.64	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$41.02	\$59.44	1	\$100.46	\$59.44	\$250.00

Subtotals: **\$413.11** **\$185.08** **\$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: CALHAN
 Total one-way travel distance: 5.00 miles
 Average Travel Speed: 30.00 mph

Total Non-Roadable Mob/Demob Cost * \$1,612.51
 ** two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$8.20
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.17</u>	<u>0.17</u>
Return Time (Hours):	<u>0.17</u>	<u>0.17</u>
Loading Time (Hours):	<u>0.25</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.25</u>	<u>NA</u>
Subtotals:	<u>0.83</u>	<u>0.33</u>

JOB TIME AND COST

Total job time: 1.67 Hours

Total job cost: \$1,621

DEMOLITION WORK

Task description: Remove concrete pond structures

Site: Sokol Pit

Permit Action: HCR 2024

Permit/Job#: M1980193

PROJECT IDENTIFICATION

Task #: 005

State: Colorado

Abbreviation: None

Date: 10/8/2024

County: El Paso

Filename: M193-005

User: HR1

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 87.90 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Concrete Pond Structures	1000 L.F.	Demo. and on-site disposal in existing pit, 1.0 ft. x 2 ft. - Max. 200 ft. push	1,000.00	LF	\$4.75	\$4,753.50

Job Hours: 26.00

Subtotal
(unadjusted): \$4,753.50

Total Cost
(adjusted for location): \$4,178.33