




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: Wamsley Pit	MINE/PROSPECTING ID#: M-2011-027	MINERAL: Gravel and sand	COUNTY: Jackson
INSPECTION TYPE: Monitoring	WEATHER: Cloudy	INSP. DATE: July 19, 2023	INSP. TIME: 10:00
OPERATOR: Richard L Wamsley dba- RLW Enterprises	OPERATOR REPRESENTATIVE: Richard Wamsley	TYPE OF OPERATION: 110c - Construction Limited Impact	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$8,800.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Hunter Ridley	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: August 7, 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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>Y</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>Y</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</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 Wamsley Pit was inspected by Hunter Ridley with the Colorado Division of Reclamation, Mining and Safety (Division) as part of the Division's monitoring inspection program. Richard Wamsley was present during the inspection. The site is an 110c operation permitted for 6.74 acres. The site is located approximately 19 miles south of Walden, Colorado in Jackson County.

The required mine sign and boundary markers were observed as required by Rule 3.1.12. The mine sign was located on the entrance gate to the site off Highway 14 (Photo 1) and the permit boundary was delineated with wood posts (Photo 2). The proposed post-mining land use for the site is general agriculture. No noxious weeds were observed during the inspection. However, an abundance of sweet clover, a weedy species, was noted across the site (Photo 4). The Operator is encouraged to follow the permit approved weed control plan to manage all weedy species and promote the growth of native vegetation.

The mining excavation will create a flat area with 3H:1V slopes along all sides of the site. Mining is progressing from the southeast corner and moving west across the site. Two dozers were located on-site (Photo 6). No processing equipment was seen on-site. The site is used as a source of pit run material only. The eastern and southern highwalls were estimated at 8 feet in height at an approximately 2H:1V to vertical slope (Photos 6 and 7). The Operator previously created a passive storm water path through the site which diverts all storm water away from the pit and follows the original path of flow. The pit floor was dry and no erosion features were observed during the inspection.

Topsoil piles are situated along the eastern, western, and northern edges of the pit (Photos 3, 4, and 5). These piles were mostly vegetated with volunteer native species including some annual weeds. No reclamation has occurred at the site to date. Topsoil is not being sold from the pit. The Division encourages the Operator to continue to save topsoil for final reclamation, rather than sell topsoil.

The Division currently holds a financial warranty in the amount of \$8,800. This financial warranty amount was last updated post inspection in 2019. 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 \$14,591.00. This is an **increase of \$5,791**. A copy of staff calculations has been attached with this report. A notice of surety increase will be sent under separate cover.

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: Mine sign posted at the gate to the entrance road.



Photo 2: View south of pit entrance, wooden post delineate the permit boundary.



Photo 3: View east at the top of the excavated pit, a topsoil pile is visible.



Photo 4: View north of the dozer onsite and stockpiled material. Topsoil piles line the northwestern edge.



Photo 5: View west of a vegetated topsoil pile.



Photo 6: View east of the currently excavated slope and stockpiled material.



Photo 7: View south of the two highwalls, slopes are stable, some volunteer vegetation is noted.

Inspection Contact Address

Richard Wamsley
Richard L Wamsley dba- RLW Enterprises
3465 County Road 11
Walden, CO 80430

COST SUMMARY WORK

Task description: _____

Site: Wamsley Pit

Permit Action: Insp 2023

Permit/Job#: M2011027

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 7/19/2023

County: Jackson

Filename: M027-000

User: HR1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Replace Topsoil @ 6" on 3 acres	DOZER	1	9.52	\$2,671
002	Revegetate 3 acres	REVEGE	1	40.00	\$6,737
003	Mob/Demob	MOBILIZE	1	7.71	\$1,850
<u>SUBTOTALS:</u>				57.23	\$11,258

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$227

Performance bond: 1.05

Total = \$118

Job superintendent: 28.61

Total = \$1,862

Profit: 10.00

Total = \$1,126

TOTAL O & P = \$3,333

CONTRACT AMOUNT (direct + O & P) = \$14,591

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

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

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 0.00

\$0

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$3,333

TOTAL BOND AMOUNT (direct + indirect) = \$14,591

BULLDOZER WORKTask description: **Replace Topsoil @ 6" on 3 acres**Site: **Wamsley Pit** Permit Action: Insp 2023 Permit/Job#: M2011027**PROJECT IDENTIFICATION**

Task #: 001 State: Colorado Abbreviation: None
 Date: 7/19/2023 County: Jackson Filename: 001
 User: HR1

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

Basic Machine: Cat D6T XL
 Horsepower: 185
 Blade Type: Semi-Universal
 Attachment: NA
 Shift Basis: 1 per day
 Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$147.22</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$92.18</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$0.00</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>

Total unit Cost/Hour: \$280.70
 Total Fleet Cost/Hour: **\$280.70**

MATERIAL QUANTITIES

Initial Volume: 2,420
 Swell factor: 1.000
 Loose volume: **2,420 LCY**

Source of estimated volume: Division of Reclamation, Mining & Safety
 Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 100 feet
 Unadjusted hourly production: 303.3 LCY/hr

Materials consistency description: Consolidated stockpile 1.0

Average push gradient: -5 %
 Average site altitude: 8,200 feet

Material weight: 1,600 lbs/LCYWeight description: Top Soil**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.000</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.200</u>	<u>(SLOT)</u>
Visibility:	<u>1.000</u>	<u>(AVG.)</u>

Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.700	(FND-MF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8384

Adjusted unit production: 254.29 LCY/hr

Adjusted fleet production: **254.29** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.104/LCY

Total job time: **9.52** Hours

Total job cost: **\$2,671**

REVEGETATION WORKTask description: Revegetate 3 acresSite: Wamsley PitPermit Action: Insp 2023Permit/Job#: M2011027**PROJECT IDENTIFICATION**Task #: 002State: ColoradoAbbreviation: NoneDate: 7/19/2023County: JacksonFilename: 002User: HR1Agency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$112.82
Total Tilling Cost/Acre	\$112.82

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Canby Bluegrass - Canbar	2.00	42.52	\$20.50
Orchardgrass - Paiute	4.00	49.59	\$16.30
Smooth Brome - Manchar	13.00	43.27	\$43.23
Pubescent Wheatgrass - Luna	18.00	37.19	\$61.20
Sheep Fescue - Azay	3.00	46.83	\$11.03
Western Wheatgrass - Arriba	16.00	40.40	\$104.00
Totals Seed Mix	56.00	259.80	\$256.25

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, 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
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$257.62

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: 3 Cost /Acre: \$1,753.48
 Estimated Failure Rate: 30% Cost /Acre*: \$1,640.66
 *Selected Replanting Work Items: SEEDING,MULCHING

Initial Job Cost: **\$5,260.44**
 Reseeding Job Cost: **\$1,476.59**
 Total Job Cost: **\$6,737**
 Job Hours: **40.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob/Demob**Site: **Wamsley Pit**Permit Action: Insp 2023Permit/Job#: M2011027**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 7/19/2023County: JacksonFilename: 003User: HR1Agency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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
Cat D6T XL	23.25	\$147.22	\$82.29	1	\$229.51	\$82.29	\$250.00
Subtotals:					\$229.51	\$82.29	\$250.00

ROADABLE EQUIPMENT:

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

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

STEAMBOAT
SPRINGS, COTotal one-way travel distance: 50.00 milesAverage Travel Speed: 35.00 mphTotal Non-Roadable Mob/Demob Cost * \$1,849.88

** two round trips with haul rig:

Total Roadable Mob/Demob Cost ** \$0.00

** one round trip, no haul rig:

Transportation Cycle Time:

	Non- Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.43	1.43
Return Time (Hours):	1.43	1.43
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	3.86	2.86

JOB TIME AND COSTTotal job time: 7.71 HoursTotal job cost: \$1,850