



STATE OF
COLORADO

Carter - DNR, Jocelyn <jocelyn.carter@state.co.us>

Two Rivers Pit M-1998-038 Inspection Report

1 message

Carter - DNR, Jocelyn <jocelyn.carter@state.co.us>

Thu, Oct 10, 2024 at 10:47 AM

To: Jodi Schreiber <jodi@arycorp.com>

Cc: Amy Eschberger - DNR <amy.eschberger@state.co.us>, John Paul Ary <Jp@arycorp.com>

Hi Jodi,

Attached is the inspection report for the August 21, 2024, inspection. Let me know if you have any questions or comments.

Thanks,
Jocelyn

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Jocelyn Carter
Environmental Protection Specialist
Division of Reclamation, Mining, and Safety
1313 Sherman St Suite 215
Denver, CO 80203
cell: (720) 666-1065




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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: Two Rivers	MINE/PROSPECTING ID#: M-1998-038	MINERAL: Gravel	COUNTY: Pueblo
INSPECTION TYPE: Surety-Related Inspection	WEATHER: Cloudy	INSP. DATE: August 21, 2024	INSP. TIME: 08:00
OPERATOR: Fremont Paving & Redi-Mix, Inc.	OPERATOR REPRESENTATIVE: Ms. Jodi Schreiber	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Related	BOND CALCULATION TYPE: None	BOND AMOUNT: \$481,375.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Jocelyn Carter	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 10, 2024	

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>N</u>	(EX) EXPLOSIVES----- <u>NA</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>Y</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>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>NA</u>	(ST) STIPULATIONS----- <u>Y</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 Two Rivers Pit, permit number M-1998-038, was inspected by me, Jocelyn Carter, on behalf of the Division of Reclamation, Mining, and Safety (Office/Division/DRMS) on August 21, 2024. Ms. Jodi Schreiber was present for the inspection on behalf of the Operator, Fremont Paving and Redi Mix Inc. (FPRM). The purpose of this inspection was to meet Office requirements outlined in Rule 3.2(7) which states that operations will be inspected after an application is filed and prior to Board consideration. In this case, an amendment (AM-1) was submitted and filed by the Division on February 8, 2024, by FPRM. The Division approved the AM-1 application on September 3, 2024. At the time of this report being issued, AM-1 is not yet issued and is awaiting warranty; the date the Division receives the financial warranty will be the date AM-1 will be issued.

Two Rivers Pit is a 112c operation extracting gravel, the size of the operation will increase from 339 acres to 357.2 acres with a maximum of 112 acres to be disturbed at any one time after AM-1 is issued. The operation is located in Pueblo County and the nearest city is Boone. To access the site from the intersection of Highway 96 and Highway 209 in the city of Boone, travel south on Highway 209 for 1.5 miles, at U.S. Highway 50 travel east for 0.8 miles, the entrance to Two Rivers Pit is on the north side of U.S. Highway 50.

Ms. Schreiber met me at the site entrance at 8:00 am the day of the inspection. At the time of the inspection, the weather was overcast, and the temperature was 80 degrees Fahrenheit. The area received rain on August 18th, 19th, and 20th; the precipitation event on the 20th was associated with a flash flood warning. There were areas of standing water from the storm events observed throughout the site during the inspection, but there did not appear to be any significant issue observed.

Mining activities were not occurring at the time of the inspection, there was no equipment on site. According to Ms. Schreiber, FPRM have not operated at the site since they acquired the site from the previous operator in February of 2023. There was a scale observed on site, located along the road in Phase 1 (see map), the scale will remain on site and be used by the Operator. There are several uninhabited structures within the permit area (see Photos #7 - #9). According to Ms. Schreiber and the AM-1 application, these structures will be demolished as mining operation progress into Phase 2. There is also an irrigation system on the permit area that will be removed during mining operations (see Photos #10 and #11). The irrigation system will be replaced during reclamation operations.

Photographs taken during the inspection and a map of the permit area are included in this report. Please contact me, Jocelyn Carter, with any questions about this inspection report at Jocelyn.carter@state.co.us or at (720) 666-1065.

Records

A records review was completed with this inspection and amendment application. The amendment, submitted on January 22, 2024, was to address issues observed by DRMS during inspections in March and April 2023. The main issues addressed with the amendment include updating the mining and reclamation plan to account for the 112 acres found to have been disturbed, incorporate a groundwater monitoring plan, and set the post mine land use to cropland.

Hydrological Balance

Prior to inspecting the site, the area experienced rainfall each day in the three days leading up to the inspection. There were areas of pooling water in the current pit area of Phase 1; this is not considered an issue with the hydrologic balance of the area.

General Mine Plan Compliance

This inspection was conducted in accordance with the submittal of an amendment application. The application proposes to change the mining plan, including adjusting the areas for each Phase and increasing the maximum total affected area at any one time.

Signs and Markers

The mine sign required by Rule 3.1.12(1) was observed and located along Highway 50 (see Photo #1). Permit boundary markers were observed along the northwest portion of the boundary (see Photos #12 and #13). The northeast section of the permit boundary crosses to the north side of the Arkansas River before going to the south. This section of the permit boundary is not accessible. According to Ms. Shreiber, boundary markers are not posted in this section and will probably not be installed because of inaccessibility.

Financial Warranty

The security bond held by the Division at the time of the inspection was \$481,375.00. The proposed changes in the AM-1 application require a security bond in the amount of \$678,568.00. See the permit file for the calculated bond associated with the AM-1 application.

Fish & Wildlife

As stated, the proposed new permit boundary includes a section of the Arkansas River. The section of the river appeared to be stable with plenty of healthy habitat areas (see Photos #14 - #17). There did not appear to be any negative impacts to the wildlife in the area because of the mine operation to date. The operation and approved pit boundaries for future mining will maintain a distance of 400 feet from the riverbank.

Erosion/Sedimentation

There were some issues with respect to erosion that was discussed in the April 2023 inspection report. During this inspection, Ms. Shreiber and I walked along the lower section of the permit area, at the base of where the erosion issue was observed. Erosion issues were not observed at the time of the inspection.

Roads

The roads appeared to be in good condition at the time of the inspection (see Photos #4 - #6).

Topsoil

There were a few stockpiles observed in the current pit area, the south-central portion of Phase 1 (see map below and Photo #2). Ms. Shreiber confirmed that one of the stockpiles is a topsoil stockpile but was not able to confirm which stockpile is being preserved for topsoiling during reclamation operations.

Revegetation

There were no noxious weeds observed on site at the time of the inspection, however, Salt Cedar was observed on adjoining properties. Ms. Shreiber stated that noxious weeds such as, Salt Cedar, Common mullein, and Russian Olives will be mechanically removed approximately every 3-4 months when operations start up again.

Reclamation Plan/Compliance

During the April 2023 inspection, it was determined that a total of 112 acres have been disturbed by the mining operation. Moving forward with the operation, 63.3 of the 112 acres will remain in the current operation while the remaining 48.7 acres will be disturbed in future mining phases. The 48.7 acres have been backfilled, graded, and revegetated by the previous operator (see Photos #18 and #19). It is the understanding of the Division that these areas will be re-disturbed according to the timeline outlined in AM-1.

Stipulations

Phase 2 of the operation will be the first occurrence of groundwater being exposed during the mining operation. The Operator is not to expose groundwater during this Phase until baseline groundwater quality and quantity values have been established through a technical revision. The Operator will also be required to obtain proper permitting for discharging water from the site into the Arkansas River prior to exposing groundwater as well.

The canal located along the east side of the permit area may be altered in the future. The Operator will submit a technical revision updating the mining plan, mining map, and the reclamation plan as needed in the case that alterations are made.

PHOTOGRAPHS



Photo #1: Mine sign in accordance with Rule 3.1.12(2), at the entrance of the mine, located on the north side of U.S. Highway 50.



Photo #2: View of the current operation area in Phase 1, looking south. The highwall can be seen in the far background with stockpiles in front.



Photo #3: View of internal road that is located between Phase 2 and Phase 4, looking to the north northeast.



Photo #4: View of internal road that runs east-west along the base of the terrace, looking southeast.



Photo #5: View of the internal road that runs east-west along the base of the terrace, looking to the west.



Photo #6: View of internal road the leads to the Arkansas River within Phase 6, looking northeast.



Photo #7: View of the structures located in Phases 2 and 3 that will be demolished as operations progress through Phase 2.



Photo #8: View of structure located in Phases 2 and 3 that will be demolished as operations progress through Phase 2.



Photo #9: View of structures located in Phases 2 and 3 that will be demolished as operations progress through Phase 2.



Photo #10: Irrigation system access point located on the lower portion of the permit area, looking to the northwest.



Photo #11: Irrigation system access point located on the higher terrace of the permit area, looking to the northwest.



Photo #12: Permit boundary marker located on the east side of the Arkansas River at the northeast corner of the permit area.



Photo #13: Permit boundary markers located along the north side of the permit area, west of the Arkansas River portion, yellow arrows pointing to the boundary markers.



Photo #14: View of the portion of the Arkansas River that is within the permit area. There are no boundary markers in this area due to inaccessibility. Looking north.



Photo #15: View of the portion of the Arkansas River that is within the permit area. There are no boundary markers in this area due to inaccessibility. Looking north.



Photo #16: View of the portion of the Arkansas River that is within the permit area. There are no boundary markers in this area due to inaccessibility. Looking upstream.



Photo #17: View of the portion of the Arkansas River that is within the permit area. There are no boundary markers in this area due to inaccessibility. Looking downstream.

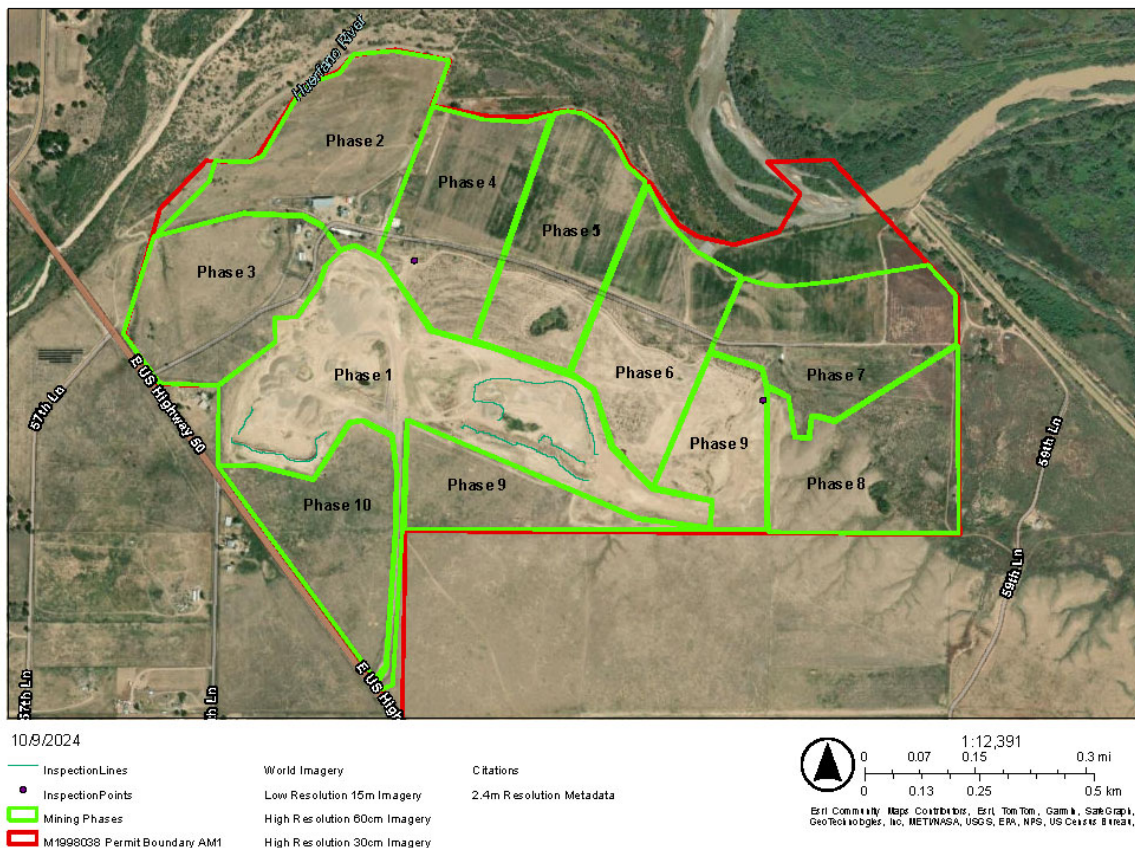


Photo #18: Area of Phase 1 that was reclaimed by previous operator. Looking to the southeast.



Photo #19: Area of Phase 1 that was reclaimed by previous operator. Looking to the southwest, the current mining area can be seen in the background.

M1998038 Two Rivers Pit AM1



Inspection map showing the permit boundary in red and ten mining phases in green.

Inspection Contact Address

Ms. Jodi Schreiber
Fremont Paving & Redi-Mix, Inc.
839 Mackenzie Ave,
Canon City, CO 81215

Enclosure

CC: Amy Eschberger, DRMS
John Ary, FPRM