




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: Orchard Grove Industrial Pit	MINE/PROSPECTING ID#: M-1990-094	MINERAL: Gravel	COUNTY: Mesa
INSPECTION TYPE: Surety-Related Inspection	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: April 9, 2019	INSP. TIME: 10:00
OPERATOR: Kilgore Companies LLC dba Elam Constructi	OPERATOR REPRESENTATIVE: Jim Doody	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Surety Related	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$52,600.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 20, 2019	

GENERAL INSPECTION TOPICS

Several of the following inspection topics were identified as having a **Problem (PB)**, which includes correction actions and a deadline whereby the Operator must demonstrate compliance with the conditions of the Permit and the requirements of the Act and Rules. Failure to address the corrective actions by the deadline may cause the Division to escalate the Problem to a **Possible Violation (PV)** and schedule the issue for formal hearing before the Mined Land Reclamation Board (Board).

(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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</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>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</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>N</u>	

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

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM: The current mine and reclamation plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-112 (1)(c)(VI) and 116 (1) . The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation and reclamation.

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

CORRECTIVE ACTION DUE DATE: 7/08/19

OBSERVATIONS

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Orchard Grove Industrial Pit is a 112c permitted site that includes a total of 34 permitted acres. The site located one mile west of Grand Junction and is accessed from River Road. Jim Doody of Grand Junction Concrete Pipe Co. represented the operator and accompanied Amy Yeldell of the Division conducted the inspection.

A corrected mine identification sign was observed. The mine identification sign and affected area boundary markers are in place and in compliance with Rule 3.1.12.

The pit was very active at the time of the inspection. Material was observed being excavated from the new pit area. Material was also being washed, crushed and hauled across the street for asphalt production.

The operator has made significant changes since the last inspection. A large area of previously stockpile imported material was placed as backfill within the pit. The cleaned up imported material is in the northeast corner of the permit (photo one). The Division estimates that the operator is under the 10,000 CY maximum for on-site storage of imported backfill material.

Two ponds have been created by the use of a dike (photo two). The older northern pond area remains fully inundated and is estimated to be 2.5 surface acres (photo three). The dike runs east/west parallel with the old Parkerson scale house. The south pit has been dewatered and is currently being expanded to the east (photo four). The fully excavated pit area is estimated to be approximately 25 feet deep with near vertical highwalls. The expanded area has been excavated to a depth of approximately 15 feet and is approximately 300 ft x 300 ft (photo five).

Backfill material was placed in the southwest corner of the permit in the dewatered pit area (photo six). The backfilled area is estimated to be 400 ft wide by 200 ft deep and at grade. A small portion (50' X 150') in the southwestern most corner still requires 10 additional feet of backfill and is currently being used to house the dewatering equipment (photo seven).

In calculating the reclamation cost estimate the Division identified a few areas of the Mining and Reclamation Plan vary from site conditions and require clarification or updates. 1) The current Mining Plan specifies 11 ac of maximum disturbance however the entire 34 ac permit appears to be affected. 2) Within the Reclamation Plan a topsoil application depth was not specified. 3) The Reclamation Plan calls for a commercial industrial lot with no pond. This will require the Division to backfill all ponds. Please specify the maximum amount of pond to require backfill at any given time and specify the minimum amount of backfill material to be available on site at any given time for that backfill. The discrepancy between permit and site conditions is cited as a problem for failure to follow the approved condition of the permit and reclamation plan, pursuant to C.R.S. 34-32.5-112 (1)(c)(VI) and 116 (1). Please submit a technical revision to the mining and reclamation plans with the required revision fee by the corrective action date on page two of this report.

Furthermore as part of the normal permit review process the Division is mandated to recalculate the reclamation cost estimate to ensure that the Financial Warranty remains adequate to complete final reclamation on all affected lands. However at this time critical details are absent leaving staff unable to accurately calculate the Financial Warranty. The Division will postpone its calculation until figures are provided through the Technical Revision. At that time Division will also include a task for transporting imported/ stockpiled material stored on site that is to be used for structural backfill of the ponds. The Division currently requires a financial warranty amount of \$52,600.00 for this site

Responses to this inspection report should be directed to: Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Inspection Contact Address

Jim Doody
Kilgore Companies LLC dba Elam Construction
556 Struthers Ave.
Grand Junction, CO 81501

Enclosure

EC:
Travis Marshall, Senior EPS, Grand Junction DRMS

PHOTOGRAPHS







