


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

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: Surface Rock Pit	MINE/PROSPECTING ID#: M-1984-001	MINERAL: Sand and gravel	COUNTY: Mesa
INSPECTION TYPE: Surety-Related Inspection	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: September 4, 2018	INSP. TIME: 10:00
OPERATOR: Kilgore Companies LLC dba Elam Construction	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Priority	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$17,024.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: DRMS	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 19, 2018	

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>PB</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>Y</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>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>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

The following inspection topics were identified as having Problems. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS.

INSPECTION TOPIC: Availability Of Records

PROBLEM: Prolonged map deficiencies are cited as a problem. The Division does not have an accurate mining or reclamation map as required by Rule 6.3.5. Recent maps have lacked critical information.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current mining and reclamation plan maps to reflect existing and proposed activities by the corrective action date. Maps must meet all the requirements of Rule 6.3.5.

CORRECTIVE ACTION DUE DATE: 11/19/18

OBSERVATIONS

This inspection was conducted in response to the succession of operator request that was approved on July 12, 2018. The inspection was conducted by Amy Yeldell of the Colorado Division of Reclamation, Mining and Safety (Division). The Surface Rock Pit is a 112c permitted site that includes a total of 18 acres, approximately 5 acres of which is actively being mined. This site is located approximate 11 miles southwest of Whitewater, CO and is accessed from State Highway 141. No representative from Kilgore Companies LLC dba Elam Construction was present for the inspection.

The mine identification sign and a few of the affected area boundary markers were visible. Staff had difficulty determining the extent of the entire 18 acre permit boundary when in the field. No new maps were submitted with the acreage reduction AR-1 approval in 2009. Furthermore the entire permit boundary has not been delineated on an annual report map for several years. The maps that have been submitted do not meet the requirements of Rule 6.2.1(2) and lack critical information as required by 34-32.5-116(3). In the future all annual report maps will need to meet both requirements. Prolonged map deficiencies are cited as a problem. The operator should submit to the Division an updated mining and reclamation map that depicts the current affected lands within the permit boundary. Maps should also meet the general requirements of Rule 6.3.5.

This pit has two entrances. A berm approximately 10 feet tall separates the operation from the highway. This material is likely topsoil and/or overburden to be used for future reclamation. The pit floor has several stockpiles sorted by rock type and size. Material varies in size from ½" minus to greater than 5' diameter boulders.

The site was inactive at the time of the inspection. A loader, excavator and grizzly bars were observed. No fuel or other hazardous material are being stored on site. No structures are present.

This site utilizes blasting techniques as evidence by the detonation cords observed and drill holes. The original permit application stated that no blasting will occur but that it may be utilized in the future. The operator is reminded of the requirements of Rule 6.5(4) if blasting will be used in the future. Given the sites past

geotechnical issues the operator is encouraged to submit a technical revision to the mining plan to specifically address requirements Rule 6.4.4(i) and 6.5(4) and state that blasting will be utilized.

The active highwall consists of several benches of varying heights and slopes. This site is a blend of igneous and metamorphic rocks. Benches are mined according to rock type. Generally the highwall is sloping at a 1:1 and is approximately 150-200 feet tall. According to the mine plan benches should be no more than 15' wide by 40' high.

To the east of the active highwall was a sloped and revegetated area approximately two and half acres in size. There is no exposed water or water used for washing of material. Lots of Russian thistle was observed on site. A few mullein plants were also observed.

The Division currently requires a financial warranty amount of \$17,024 for this site. The bond was last adjusted in 2009 with the approval of AR-1. 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 will be updating the reclamation cost estimate. If the current bond is found to be insufficient the Division will send a Notice of Surety Increase under a separate cover.

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

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Enclosure

EC:
Wally Erickson, Senior EPS, Grand Junction DRMS

PHOTOGRAPHS



Reclaimed area within area A



Overview of active highwall area



