




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: Cole Gravel Pit	MINE/PROSPECTING ID#: M-2004-020	MINERAL: Sand and gravel	COUNTY: Mesa
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: October 29, 2018	INSP. TIME: 11:20
OPERATOR: M.A. Concrete Construction, Inc.	OPERATOR REPRESENTATIVE: Frank Neely	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$335,500.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: November 6, 2018	

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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</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>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</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

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety (Division) normal monitoring program. The Cole Pit is a 112c permitted site that includes a total of 264.63 permitted acres with a 76.90 acre maximum disturbance. The site located six mile southeast of Whitewater, Colorado and is accessed from Kannah Creek Road. Frank Neely of M.A. Concrete Construction, Inc. represented the operator and accompanied Amy Yeldell of the Division conducted the inspection.

The mine identification sign and affected area boundary markers are in place and in compliance with Rule 3.1.12. A signs is attached to the gate at the permit entrance. The permit boundary is delineated by fences.

Near the entrance to the pit floor is a scale and scale house. One elevated fuel tank is stored inside of an earthen secondary containment. An excess amount of empty drums were observed on site. If these drums are to remain on site then the Division will have to bond for their removal. As a reminder any hazardous material (fuel, lubricant, or other hydrocarbon) must be stored in a secondary containment. Spill pallets work well for storage of several containers. Adjacent to the barrels were excess equipment tires, screens and other mining related supplies.

Phase 1 is mostly mined out. Little to no reclamation has been completed in Phase 1. This areas is primarily used for stockpile storage.

All new mining is occurring in Phase 2. Approximately half of phase 2 has been mined to date. In Phase 2, on the east side, a new area has been cleared and stripped of large surface rocks. This area is approximately 500 yards by 100 yards (approx. 10 ac) . The mined out western portion of phase 2 is also used for stockpile storage. There are also two crusher plants. No water is used to process the material. Water is only for dust suppression. Water is brought in and held in a tank on site adjacent to the crusher. A second fuel tank is also located near the crusher and is in a double walled tank.

A topsoil berm has been staged along the north and east permit boundary. Topsoil has also been placed on the pit floor north of the crusher in phase 2. Topsoil is still heaped in rows and will require grading. Approximately 4 acres will be topsoiled once graded.

The north highwall adjacent to the placed topsoil still requires grading. This highwall is near vertical and approximately 10 feet tall by 2000 feet long. Approximately a 3000 linear foot highwall 10-15 feet tall near vertical highwall makes up the south and east sides of the pit floor. There is no true highwall on the western edge of Phase 1 as there are several stockpiles that will require removal prior to reclamation. This operation has reached the maximum disturbance limit. The operator is encouraged to begin interim reclamation where practical or increase the maximum disturbance limit.

This pit is extremely arid and reclamation will likely be challenging as undisturbed areas have very poor quality and low density vegetation. Lots of Halogeton (a list C weed) was observed throughout the site in addition to other non-listed noxious weeds. Aggressive weed management in the reclaimed areas is advised. Phases 3, 4 and 5 remain undisturbed.

This year's annual report via e-permitting is active. The Division requests that on future annual report maps please depict the permit boundary. The purpose of the annual report is to summarize activity on site. Without a permit boundary or which phases are being mined and reclaimed it is difficult to communicate this information to the Division.

The Division currently requires a financial warranty amount of \$335,000 for this site. The bond amount was set at the permit issuance in 2004 and no increase have been issued to date. 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

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Enclosure

PHOTOGRAPHS





Overview of pit and stockpiles



Pit floor over view



Newly stripped area in Phase 2



Topsoil staged for reclamation in Phase 2, highwall with grading remains