




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: Cortner Pit	MINE/PROSPECTING ID#: M-1986-159	MINERAL: Sand and gravel	COUNTY: Pueblo
INSPECTION TYPE: Monitoring	INSPECTOR(S): Elliott R. Russell	INSP. DATE: May 23, 2018	INSP. TIME: 11:00
OPERATOR: Martin Marietta Materials, Inc.	OPERATOR REPRESENTATIVE: Rusty Cochran and Julie Mikulas	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$73,556.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: August 10, 2018

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected. 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>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>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>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

PROBLEMS/POSSIBLE VIOLATIONS

None observed during the inspection.

OBSERVATIONS

This inspection was conducted as part of the Division's routine monitoring program for permitted operations. Elliott Russell, with the Division, conducted the inspection while Rusty Cochran and Julie Mikulas, both representing the Operator, accompanied the inspection.

The Cortner Pit is a Construction Material Regular 112c Operation Reclamation Permit and is approved to affect 182.7 acres of land. Affected lands will be reclaimed to support rangeland post-mining land use. The site is located 3 miles southwest of Vineland, Colorado. The Cortner Pit is located west of one of the Operator's other permits, the Beeman Pit #1 (M-2002-009).

The Division met Mr. Cochran and Mrs. Mikulas at the mine site entrance on the south side of Cortner Road, approximately 1.5 miles east of 27th Lane/Doyle Road. The mine site identification sign was posted at the entrance and was in compliance with Rule 3.1.12(1).

Mining operations have been completed at the site and the site is in final reclamation. The site consist of two mined-out areas, one on the northern portion of the permit and the other in the central portion of the permit. There is also another area south of the central pit which wasn't mined. The northern mined-out area is approximately 30 acres in size and daylights to the north. The central mined out-area is an excavated pit, approximately 14 acres in size. Reclaimed slopes appeared stable and no erosion control measures are needed at this time. Revegetation efforts have had varying amounts of success. The reclaimed slopes of the northern mining area (southern and eastern sides) as well as the majority of the central mining area have started to become reestablished with grass and shrubs. However, the large flat area of the northern mined out area is barren and revegetation efforts have largely failed so far. The Operator will need to re-seed this area and will likely need to incorporate organics and/or fertilizers into the soil to improve the soil conditions.

Tamarisk (salt cedar) has been cited as a compliance problem at the site in the past. The Operator implemented the weed control plan and removed the tamarisk in 2013. The Operator will now need to treat and/or remove the small tamarisk trees which are starting to re-establish again to ensure this listed noxious weed prevents a future release request once the site has been revegetated.

During the inspection, the Operator inquired about releasing the undisturbed areas south of the central pit as there is a proposed utility line project that may be constructed across it. The Division discussed the partial release process with the Operator. The Operator could submit an Acreage Release Request with a map showing the area proposed for release as well as a new Reclamation Plan Map to show the permit boundary if the area is released.

This concludes the Division's Inspection Report; a subset of photographs taken during the time of the inspection are included below. If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8132**, or by email at elliott.russell@state.co.us.

PHOTOGRAPHS



Photo 1. Mine identification sign along Cortner Road; looking southeast.



Photo 2. Example of barren area of the northern mining area which will need to be reseeded; looking south.



Photo 3. Reclaimed slope on south side of the northern mining area; looking northwest.



Photo 4. Western half of the central mining area; looking north.



Photo 5. Small tamarisk trees starting to re-establish which will need to be treated; looking east.

Inspection Contact Address

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