




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: Fountain Pit	MINE/PROSPECTING ID#: M-1981-307	MINERAL: Sand and gravel	COUNTY: El Paso
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: May 26, 2016	INSP. TIME: 09:10
OPERATOR: Martin Marietta Materials, Inc.	OPERATOR REPRESENTATIVE: Julie Mikulas, Rusty Cochran	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$1,369,462.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: April 17, 2017	

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>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</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>NA</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>

Y = Inspected and found in compliance / 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 regular monitoring program. The Operator (Martin Marietta Materials) was represented by Ms. Julie Mikulas and Mr. Rusty Cochrane who were present for the inspection. The Fountain Pit access road entrance is located off Charter Oak Ranch Road from Exit 128 on I-25, Near Fountain CO. This is a 112c sand and gravel mine. The mine was active at the time of the inspection.

Availability of Records: Annual fees are paid through June 2016. The previous inspection was on April 9, 2012. The approved post-mine land use is rangeland. There are no open infractions. Pursuant to the approval of TR-06, the maximum allowable affected area is 450 acres.

Backfilling and Grading: The Division could not find any acknowledgement of, request for, or approval for importing inert backfill from offsite. If the Permittee imports material for backfill, a technical revision (TR) must be requested and approved pursuant to Rule 3.1.5(9). If material needs to be imported, please request approval from the Division via the TR process.

Complete Inspection: The entire permit area was inspected. No significant problems were observed during the inspection.

Excess Spoil and Dev. Waste: Observed overburden piles appeared to be stable.

Financial Warranty: The \$1,369,462 bond held by the Division is adequate for the observed mine disturbance.

Fish and Wildlife: No impact on wildlife was observed.

Hydrologic Balance: A small amount of standing water was observed in the south end of the older east pit where the previous wash or "mud" pond was (see **Photo 1**). This is being filled in and did not appear to be groundwater as the natural ground south of the embankment was dry and appeared to be lower in elevation. Other observed exposed water consisted of the fresh water storage pond and the existing mud pond in the southwest corner of the permit area.

Gen. Compliance with Mine Plan: Site representatives indicated they are in the final phase of mining. Some more excavation was planned in the east portion of the site, but they were nearing final excavations at the time of the inspection. The anticipated final excavations were expected in the July/August time frame of 2016. Highwalls appeared to vary between 15 and 30 feet in height (see **Photo 2**).

Off-site Damage: The operation appeared to be confined to the permit boundary, based on field observations and a Google Earth review.

Processing Waste: Wash fines were observed in the mud pond. The reclamation plan for this pond is to backfill, grade to drain then cover with topsoil and seed.

Roads: The site representatives stated the haul roads were regularly dust controlled. The last approximately half mile of road to Charter Oak Ranch Road is paved and should be sufficient to prevent sediment from being tracked offsite.

Reclamation Success: Reclamation had begun in some areas on site, including grading and seeding next to the

west side access road. Site representatives indicated all other revegetation was natural. No recent topsoiling activities had been completed.

Revegetation: Most revegetation observed was natural. Some small amounts of tamarisk were observed in the south central area. This inspector recommended they be treated before becoming a problem on site.

Sediment Control: Some erosion was observed on the older highwalls, but no best management practices (BMPs) were deemed necessary at the time of the inspection.

Support Facilities On-site: Conveyors and screen plants observed on site (see **Photo 3**).

Signs and Markers: The permit sign was properly posted (see **Photo 4**) and fences serving as boundary markers were observed to delineate the permit boundary (see **Photo 5**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills were observed. Representatives stated the stormwater management plan is kept on site in the scale house. Stormwater drains to the pit and infiltrates.

Topsoil: Topsoil stockpiles were observed above the excavation on site appeared stable (see **Photo 6**).

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Small amount of water observed in south end of the older east pit wash pond (looking east).

PHOTOGRAPHS (cont.)



Photo 2. Typical active highwalls.



Photo 3. Conveyors and screen plants (SW side, looking SE).

PHOTOGRAPHS (cont.)



Photo 4. Permit sign.



Photo 5. Fence serving as south permit boundary (looking west).

PHOTOGRAPHS (cont.)



Photo 6. Typical topsoil stockpile.

Inspection Contact Address

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EC: DRMS file
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