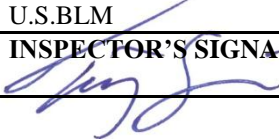




**COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY**  
**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

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.

<b>MINE NAME:</b> Red Canyon Quarry	<b>MINE/PROSPECTING ID#:</b> M-1985-043	<b>MINERAL:</b> Limestone (general)	<b>COUNTY:</b> Fremont
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Timothy A. Cazier	<b>INSP. DATE:</b> July 22, 2015	<b>INSP. TIME:</b> 13:30
<b>OPERATOR:</b> Rocky Mountain Materials and Asphalt, Inc.	<b>OPERATOR REPRESENTATIVE:</b> Tom Smith, Rob Mangone	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Citizen Complaint	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$334,000.00
<b>DATE OF COMPLAINT:</b> July 14, 2015	<b>POST INSP. CONTACTS:</b> U.S.BLM	<b>JOINT INSP. AGENCY:</b> U.S.BLM
<b>WEATHER:</b> Cloudy	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> July 28, 2015

**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>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(SB) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>N</u>	(ST) STIPULATIONS----- <u>N</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 prompted by a complaint received (via email on July 14, 2015) by the DRMS that potentially involved large amounts of dust, blasting intensity and volume, and hour so operation at this mine in Fremont County. Present for the inspection were: Tim Cazier, representing the DRMS; Stephanie Carter, representing the US Bureau of Land Management (BLM); and Tom Smith and Rob Mangone, representing the Operator (Rocky Mountain Materials and Asphalt, Inc. – RMMA).

### **Investigation:**

I contacted the complainant via email to try to determine when blasting operations that affected the complainant had occurred. The purpose of determining these time frames was to attempt to match blasting records to these incidents using blast reports requested from RMMA prior to the inspection. The complainant conferred with a neighbor and responded via email on July 20<sup>th</sup> at 3:16 pm that the problematic blasting had not occurred in the last week, but more likely one to three months prior.

### **Inspection:**

Blasting: As requested, the Operator provided blast reports from their contracted blaster (Buckley Powder) going back to April 29, 2014 (seven reports for the following blasts: 4/29/2014, 8/12/2014, 9/11/2014, 12/23/2014, 1/29/2015, 3/30/2015, and 7/20/2015). Mr. Smith indicated the mine sets up a seismograph near the scale house and Buckley sets their seismograph up near where the blast is triggered (typically closer to the blast than the scale house). The most recent blast was July 20, 2015 at 2:16 pm (per the blast report). Mr. Smith also stated the only two blasts that triggered the seismograph were the July 20, 2015 and the September 11, 2014 blast. I reviewed the 7/20/15 and 9/11/2014 blast reports and noted the recorded ground vibration peak particle velocity was less than the 1 inch/second limit (0.075 and 0.135, respectively) for a distance between 301 and 5,000 feet from the blast and the recorded airblasts were also below limits: 125.4 dB at 9.3 Hz on 7/20/2015 and 123.6 dB at 3.5 Hz on 9/11/2014 (both less than the 129 db limit @  $\leq 6$  Hz). The DRMS thinks it noteworthy that the complainant's email with respect to observed blast occurrences was received approximately one hour after the most recent blast occurred at the mine, which was one of only two in the last seven recorded blasts that triggered Buckley Powder's seismograph.

During a pre-inspection telephone conversation, Mr. Mangone offered the mine would be willing to facilitate setting up a seismograph at the Complainant's residence for the purpose of monitoring a future blast. The DRMS confirmed via email from the Complainant that they would be interested in this arrangement if there was no cost to the Complainant. The Operator suggested army artillery practices on the Fort Carson Army base adjacent to State Hwy 115 and roughly two miles east of the mine as a possible alternative source of noise and strong vibrations.

The Complaint also indicated blasting was occurring before 8:00 am and after 3:00 pm. The DRMS does have a stipulation attached to this permit that allows blasting only after dawn and before dusk. The Operator stated they do not blast in the dark for safety reasons.

Dust: The DRMS has limited jurisdiction over dust, primarily fugitive dust from topsoil stockpiles. However, the Colorado Department of Public Health and Environment (CDPHE) Air Pollution Control Division (APCD) does have jurisdiction and has issued a permit (No. 87FR167F) for the site. The DRMS contacted APCD to determine if the mine has any violations or enforcement actions pending with respect to excessive or fugitive

dust. Mr. Chris Reinhardt (APCD) indicated he had performed a complete inspection in May of 2014 and a recent complaint inspection (regarding excess dust) on July 6, 2015 and was not able to cite any violations for opacity limits or fugitive dust. He further indicated the mine currently is in full compliance with their permit. A water truck was observed spraying water on the haul roads during the inspection.

Hours of Operation: The DRMS has no jurisdiction over hours of operation. It is the understanding of the DRMS that hours of operation are controlled by Fremont County's Conditional Use Permit (CUP) and that 24-hour operation is currently allowed under the CUP.

**Summary:**

1. Based on the investigation and site inspection, it appears the mine is operating within its various permit requirements.
2. If the Complainant wishes to pursue blast monitoring at his residence he will need to contact the DRMS so we can coordinate his schedule, equipment setup and planned blasts by the mine.

**Inspection Contact Address**

Rob Mangone  
Rocky Mountain Materials and Asphalt, Inc.  
1910 Rand Ave  
Colorado Springs, CO 80905

EC: Wally Erickson, DRMS  
DRMS file  
Stephanie Carter, BLM  
Complainant (via email)