



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.

MINE NAME: Snyder Quarry	MINE/PROSPECTING ID#: M-1977-210	MINERAL: Limestone (general)	COUNTY: El Paso
INSPECTION TYPE: Monitoring	INSPECTOR(S): Berhan Keffelew /Tom Kaldenbach	INSP. DATE: June 5, 2012	INSP. TIME: 13:00
OPERATOR: Continental Materials Corporation	OPERATOR REPRESENTATIVE: Mac Schafer	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Citizen Complaint	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$340,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Clear	INSPECTOR'S SIGNATURE:	SIGNATURE DATE: June 18, 2012

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. 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>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</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>	(SB) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>N</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

The Division conducted a blast monitoring inspection of the site on 6/5/12, as a follow up to our citizen's complaint inspection of the site on 5/18/12. The Division had made a request to the operator that the Division be present during the next blast. Present during the inspection were Tom Kaldenbach and Berhan Keffelew representing the Division, and Mac Schafer representing the operator. The main purpose of this inspection was to observe the operator's method of monitoring blasts and to determine if blasting was being conducted within the limits approved under Technical Revision # 1 dated 7/24/2000. When Technical Revision # 1 was approved, the blast monitoring limits were set at 1.0 in/sec for peak particle velocity and 133dB for air blast.

On 6/5/12 around 1:27 p.m. the operator conducted a blast, consisting of 74 holes in area AP, the current active mining area. The Division measured the blast's ground motion and air overpressure (airblast), using an Instantel Minimate ground motion and airblast monitor (seismograph) at 4515 Monitor Rock Dr. This monitoring location is located approximately 1320 feet from the blast.

A triaxial geophone was attached to the Minimate for measuring ground motion and an overpressure microphone was attached for measuring airblast. The microphone was protected with a foam wind screen. The geophone of the seismograph was coupled to the soil on the ground surface with spikes. The internal self-check routine of the seismograph indicated all components of the seismograph were functioning properly, but results from the seismograph are considered preliminary because the seismograph was 15 months past the date recommended by the manufacturer for calibration.

From the monitoring location, the blast was audible and moderate ground vibration was apparent. The results of the monitoring were: peak particle velocity 0.11in/sec, airblast was recorded at 58.6 dB(L), and acceleration of 0.018g. The operator's consultant recorded 0.13 in/sec for peak particle velocity and 116.3 dB(L) for airblast. The Division's airblast recorded data of 58.6 dB(L) was significantly lower than the 116.3 dB(L) recorded by the operator's consultant. The blast appeared to be in compliance with the blasting monitoring limits of 1.0 in/sec peak particle velocity and 133 dB for air blast. The Division will have its seismograph calibrated and then re-evaluate compliance of a future blast.

PHOTOGRAPHS



Figure 1 Looking south at area AP, where blast shot will occur.



Figure 1 setting up blast monitors by DRMS & Buckley explosives @4515 Monitor Rock DR.



Figure 3 Randy Morris of Buckley explosives (operator's consultant) setting up the blast monitor prior to blast.

Inspection Contact Address

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