


**COLORADO**Division of Reclamation,
Mining and Safety

Department of Natural Resources

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): Timothy A. Cazier	INSP. DATE: June 30, 2016	INSP. TIME: 13:00
OPERATOR: Continental Materials Corporation	OPERATOR REPRESENTATIVE: Andre Laroche & Bruce Humphries	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: IT.Bondcalculationtype.CD.Desc	BOND AMOUNT: \$340,000.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: September 25, 2017

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The affected area north and south boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Section 3.1.12(2) of the rule.

CORRECTIVE ACTIONS: The operator shall conduct a survey and replace the boundary markers in the correct location(s). The operator shall provide proof to the Division that this has been done by the corrective action date.

CORRECTIVE ACTION DUE DATE: 11/24/17

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Permittee (Continental Materials) was represented by Messrs. Andre Laroche and Bruce Humphries during the inspection. The Snyder Quarry is accessed from Black Canyon Rd and is located approximately 1 mile north of Manitou Springs. This is a 112c limestone mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees are paid through May 2017. The previous inspection was on June 5, 2012. The approved post-mine land use is wildlife habitat. There were no open infractions.

Backfilling and Grading: The highwalls are benched. There appeared to be adequate backfill for areas requiring backfill.

Excess Spoil and Dev. Waste: Overburden on site had been used as backfill, but some areas may be regraded according to Mr. Laroche.

Explosives: Mr. Laroche indicated blasting reports are kept on file with Buckley or in the site office.

Financial Warranty: The \$340,000 bond held by the Division is adequate for the observed mine disturbance.

Hydrologic Balance: Standing water was observed in the pit (see **Photo 1**) as a result of recent rain. It was determined not to be groundwater.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Mr. Laroche indicated Continental Materials is finished with extraction of material and are only hauling material off site from the remaining stockpiles (**Photos 2 and 3**). Highwalls were benched, appeared stable and varied between 80 and 100 feet in height. Continental Materials may do some additional blasting for reclamation purposes.

Roads: Haul and access roads did not appear to be a source of sediment that could be tracked offsite.

Reclamation Success: Reclamation has begun. The west highwall benches in the south pit have been backfilled, topsoiled and seeded (see **Photo 4**). Additional reclamation work is needed.

Revegetation: As discussed above, some areas have been revegetated, but more work is needed. Some areas of the pit had noxious weeds such as musk thistle, knapweed, field bindweed, and common mullein. The Permittee provided photographic documentation of spraying for noxious weeds about a week after this inspection. The DRMS considers the noxious weed problem to be abated.

Sediment Control: Some erosion problems were observed in the haul roads (**Photo 5**) and some areas of the backfilled highwalls. The DRMS determined no BMPs were needed at the time of the inspection as the sediment was directed towards the pit and did not appear to have potential to migrate offsite.

Support Facilities On-site: A screen plant, crusher, and conveyors were observed on site (see **Photo 6**).

Signs and Markers: The permit sign was missing during the inspection. The Permittee provided photographic documentation of posting the sign about a week after the inspection (see **Photo 7**). The north and south permit boundary markers were not readily observable during the inspection. About a week after the inspection Mr. Laroché committed to identify/mark these permit boundaries on the property by July 29, 2016. The DRMS has not received confirmation that this was accomplished. **This is cited as a Problem on p. 1 of this report.**

Permit Stipulations: The following stipulations are part of the M-1977-201 permit record:

Stipulation No. 2: The Division reserves the right to use "traditional" values and techniques to measure the reclamation for release if the proposed method does not meet the minimum requirements of the act, rules, and permit.

Stipulation No. 3: Castle Concrete will perform all practices deemed necessary to control discharges and sediments when positive drainage is created by the removal of the outlet berm on the east side during final reclamation.

Stipulation No. 4: Before release will be granted, the stability and final disposition of the access road will be addressed in accordance with all current applicable requirements.

Stipulation No. 5: The operator shall commit to placing eight inches of plant growth medium over all affected areas, unless a future demonstration, provided by the operator and approved by the Board prior to mining operations commencing, shows that Rule .5(1) of the Mineral Rules and Regulations regarding vegetative cover can be met with a lesser amount (Revision Approval AM-03).

Stipulation No. 6: The operator shall commit to providing to the Division designs for berms and/or catchment fences along the three west-boundary drainages existing north and south of the West Thumb and southwest of South Peak. These berms or fences shall be of sufficient height and length to prevent off-site losses of rockfall and other materials. The designs must be approved by the Division prior to mining operations commencing (Revision Approval AM-03).

Stipulation No. 7: The operator shall establish a vegetation density value of 35 trees and 35 shrubs per acre within the Phase II affected area prior to financial warranty release (Revision Approval AM-03).
Stipulation No. 8: The operator shall submit to the Division for approval a Technical Revision addressing design plans for the runoff and sediment control system to be implemented for the Phase IV mining area. These plans shall be submitted 60 days prior to construction of the facility (Revision Approval AM-03).

Topsoil: Topsoil for reclamation has been salvaged.

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. Stormwater observed in the pit.



Photo 2. Typical remaining material stockpile (1 of 2, note ID sign on right).

PHOTOGRAPHS (cont.)



Photo 3. Typical remaining material stockpiles (2 of 2, from above north pit).



Photo 4. Reclaimed benched west highwall – south pit (looking west).

PHOTOGRAPHS (cont.)



Photo 5. Erosion gully in haul road between north and south pits.



Photo 6. Screen plant, conveyor, and crusher (south pit, looking SE).

PHOTOGRAPHS (cont.)



Photo 7. Permit sign replaced – post inspection.

GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(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>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</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>PB</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

Inspection Contact Address

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ec: DRMS file
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