




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: Cañon Dolomite Quarry	MINE/PROSPECTING ID#: M-1977-376	MINERAL: Dolomite	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: March 11, 2014	INSP. TIME: 09:30
OPERATOR: Continental Materials Corporation	OPERATOR REPRESENTATIVES: Andre Laroche, Gary Tuttle, Daniel Tezak	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$68,500.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None
WEATHER: Windy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: February 11, 2015

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: Availability Of Records

PROBLEM/POSSIBLE VIOLATION: Problem: Problem: The current mine and reclamation plans need to be updated and clarified pursuant to C.R.S. 34-32.5-110 (1)(a)(VII) and C.R.S. 34-32.5-116 (1), respectively. The operator must provide sufficient information to describe or identify how the operator intends to conduct the operation and reclamation.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved mine and reclamation plans, and Reclamation Cost Estimate to reflect existing and proposed activities by the corrective action date.

CORRECTIVE ACTION DUE DATE: 4/13/15

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The Permit was transferred from Castle Concrete Company to Continental Materials Corporation in 2003. The Permit Sign still lists Castle Concrete as the Operator.

CORRECTIVE ACTIONS: Correct the Operator name to Continental Materials Corporation on the Permit Sign and submit photographic documentation demonstrating the correction by the Due Date.

CORRECTIVE ACTION DUE DATE: 3/13/15

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Operator (Continental Materials Corporation) was represented by Messrs. Andre Laroche and Gary Tuttle who were present for the inspection. Mr. Daniel Tezak was also present for the inspection. This is a 112c dolomite mine. The mine was not operating at the time of the inspection.

The Cañon Dolomite Quarry entrance is located approximately one mile north of Cañon City, off State Hwy 50.

Inspection:

A permit sign was displayed at the site entrance (see **Photo 1**). However, the sign list the previous Operator, Castle Concrete instead of Continental Materials. **The wrong name is cited as a problem on page 1 of this report.** The permit boundary appeared to be marked with PVC poles (see **Photo 2**). However, the permit boundary is considerably larger than the planned affected area, so not all the markers were visible from the pit area.

No processing equipment was on site. The Operator's representatives explained the crushing operation is contracted out and a mobile crusher is brought on site. Several stockpiles of varying size of crushed material (see **Photo 3**) and a large stockpile of crusher fines (see **Photo 4**) were observed. A parked drill rig (see **Photo 5**), scale house and truck scale (see **Photo 6**) on the north end of the site were also observed on site.

Mr. Tezak explained that blasting records are kept at Tezak Heavy Equipment's T.H.E. Aggregate Source office (approximately 1.5 miles south of the Cañon Dolomite pit). The Operator representatives explained the mining was progressing to the south (which was confirmed by the Division by reviewing Google Earth images). The active south highwall is depicted in **Photo 7**. The west highwall and partially reclaimed "depleted area" is shown in **Photo 8**.

Post inspection review of the permit file (see Records Item 1.a.i, below) alerted the Division to the Fines Disposal Area No. 1 approved with Amendment No. 1. This area was apparently not visible from the access road or the pit floor at the time of the inspection, and was not inspected. A review of historic Google Earth images confirms that mining is progressing in a direction from north to south as indicated in the approved permit.

Records: *Note the Division has incomplete records for this permit. As such, a problem is cited on page 1 of this report related to the availability of records.*

1) Revisions:

- a) **Amendment 1** (AM-01) was approved in 1982 to allow:
 - i) construction of the Fines Disposal Area No. 1 area about a mile up the access road from Hwy 50 and,
 - ii) expansion of the mining area by 6.5 acres (a 1.7-acre North Extension in Echo Canyon and 4.8-acre South Extension in Diablo Canyon).
- b) **Technical Revision 1** (TR-01) was approved in 1988 to comply with Stipulation No. 1 (to submit a revised reclamation plan) required by the MLRB's December 31, 1987 approval of a \$12,500 bond reduction.
- c) **Succession of Operators:** The site permit has been transferred three times (1993, 2001, and 2003) since TR-01 was approved.

2) Mine Plan status (reference enclosed AM-01 Map):

- a) **AM-01 proposed two options for which the Division has not received any documentation since the 1982 approval for dealing with fines disposed in Echo Canyon.** The two options were:

- i) Removing fines disposed in Echo Canyon when the pit floor was level with the canyon floor, or
 - ii) Stabilize the area with vegetation.
 - b) Fines status: It does not appear that any fines disposal has occurred in the Fines Disposal Area No. 1 for quite some time. Fines currently appear to be stockpiled on the pit floor. **The current approach to managing fines needs to be clarified.**
 - c) "22-Acre Future Area": The AM-01 map suggests the area east of the current pit might be mined in the future. There is no text in AM-01 specifically addressing the Future Area. **The "Future Area" inclusion in the mining plan needs to be clarified.**
 - d) "North and South Extensions": The AM-01 map suggests the areas north and south of the current pit might be mined in the future. There is no text in AM-01 specifically addressing the "Requested" North and South Extensions. **The "North and South Extensions" inclusion in the mining plan need to be clarified.**
- 3) **Reclamation Plan status** (reference enclosed AM-01 Map):
- a) "Depleted Area(s)": **the required TR shall address the status of the "Depleted Area" reclamation.** The original application indicated the depleted area would be graded to slopes no steeper than 2H:1V and revegetated.
 - b) "Fines Disposal Area No. 1": **the required TR shall address the reclamation plan for the "Fines Disposal Area No. 1" reclamation.** The AM-01 application indicated the fines disposal area would be graded to slopes no steeper than 2H:1V and revegetated after completed construction of the disposal facility. However, it is not clear if further fines disposal is planned.
 - c) "22-Acre Future Area": There is no text in AM-01 specifically addressing the Future Area. **The planned reclamation for the "Future Area" needs to be clarified.**
 - d) "North and South Extensions": There is no text in AM-01 specifically addressing reclamation for the "Requested" North and South Extensions. These two areas extend into Echo Canyon and Diablo Canyon, respectfully; and may require unique reclamation plans given the topography. **The planned reclamation for the "North and South Extensions" needs to be clarified.**
- 4) The required Technical Revision shall include the following permit exhibits:
- a) **Exhibit C** – **The TR shall include an updated Mining Plan Map** to include modifications (if appropriate) and clarifications.
 - b) **Exhibit D** – **The TR shall include an updated Mining Plan** to discuss modifications (if appropriate) and clarifications.
 - c) **Exhibit E** – **The TR shall include an updated Reclamation Plan** to discuss modifications (if appropriate) and clarifications.
 - d) **Exhibit F** – **The TR shall include an updated Reclamation Plan Map** to include modifications (if appropriate) and clarifications.
 - e) **Exhibit L** – The latest Exhibit L was submitted with Am-01 in 1982. **The TR shall include an updated Reclamation Cost Estimate.**
- 5) The previous inspection was performed on 8/17/2009. No problems were cited.
- 6) The anniversary date is September 22. Annual reports and fees are current through 2014.

Current Stipulations:

None.

Bond:

The current bond has not been updated since 2001. The specifics of the reclamation plan are unclear due to the lack of records the Division has on file. The Division will revisit the bond after the Operator submits and

the Division approves a technical revision to update the mining and reclamation plans as approved in AM-01 and TR-01.

Summary and Required Actions:

1. The previous Operator is listed on the permit sign. **The Operator name must be corrected within 30 days of this report.**
2. The Division's files for this permit are incomplete. **Within 60 days of this report, the Operator must submit a Technical Revision (TR)** to update the mining and reclamation plans, and the Mine Plan Map and Reclamation Plan Map as discussed in the records section of this report. The TR and the \$216 required fee must be submitted to the Division within 60 days of the date of this report. A **TR request form** is enclosed for your convenience.
3. The Division's records for this permit can be found on our website: <http://mining.state.co.us>
 - a. Go to "Reports & Data", select "Imaged Document Data" and follow the links to our Laserfiche Weblink.
 - b. Once there, enter "M1977376" (no dashes) in the "Permit No" field box, then click "Search" on the bottom left of the screen.
4. After submission of the required TR, the Division will schedule an inspection for the Fines Disposal Area No. 1.
5. After the Fines Disposal Area inspection and approval of the required TR, the Division will recalculate the required financial warranty for the site.

Please contact Tim Cazier (303-866-3567, ext. 8169) if you have any questions regarding the required TR or this report.

PHOTOGRAPHS



Photo 1. Permit identification sign (Note: previous Operator name).

PHOTOGRAPHS (cont.)

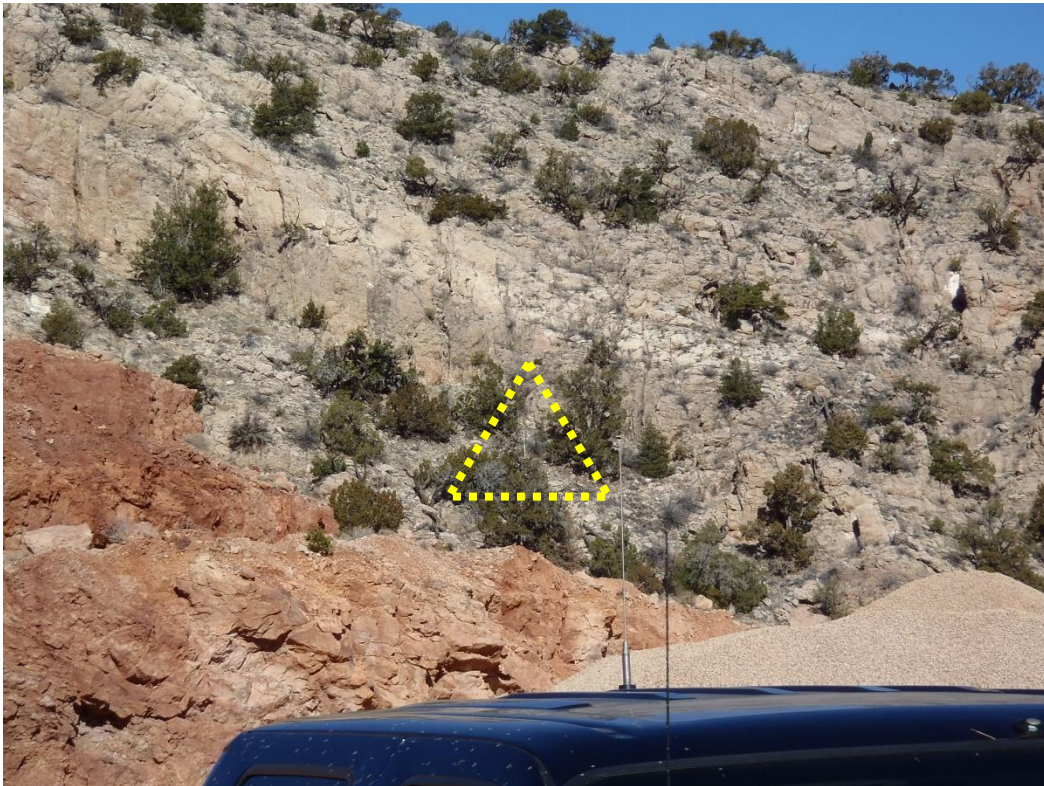


Photo 2. Typical permit boundary marker (looking north).



Photo 3. Stockpiles of varying size of crushed material (looking north).

PHOTOGRAPHS (cont.)



Photo 4. Large stockpile of crusher fines (looking NE).



Photo 5. Parked drill rig (looking east).

PHOTOGRAPHS (cont.)



Photo 6. Scale house and truck scale (looking west).



Photo 7. South highwall (looking south).

PHOTOGRAPHS (cont.)

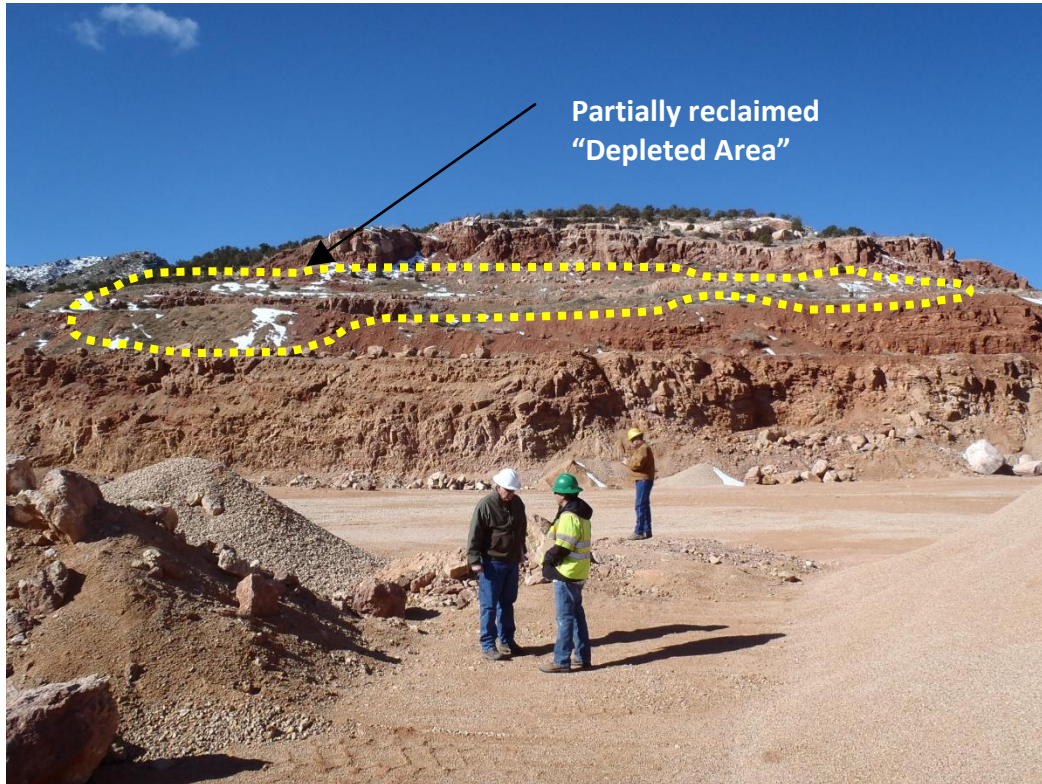


Photo 8. West highwall and partially reclaimed "depleted area" (looking west).

GENERAL INSPECTION TOPICS

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

(AR) RECORDS----- PB	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>NA</u>	(EX) EXPLOSIVES----- <u>Y</u>
(PW) PROCESSING WASTE/TAILING---- <u>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>NA</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>NA</u>
(SM) SIGNS AND MARKERS----- PB	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(SB) COMPLETE INSP---- <u>NA</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>Y</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>NA</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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Enclosures

CC: Tom Kaldenbach, DRMS
DRMS file

REDUCED SCALE / PARTIAL MAP FROM AM-01 (6-14-82)

