




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.

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|---|--|--|-----------------------------|
| MINE NAME: Snyder Quarry | MINE/PROSPECTING ID#: M-1977-210 | MINERAL: Limestone (general) | COUNTY: El Paso |
| INSPECTION TYPE: Monitoring | WEATHER: Cloudy | INSP. DATE: November 3, 2022 | INSP. TIME: 11:30 |
| OPERATOR: City of Colorado Springs | OPERATOR REPRESENTATIVE: David Deitemeyer & John Weaver | TYPE OF OPERATION: 112c - Construction Regular Operation | |
| REASON FOR INSPECTION: Normal I&E Program | BOND CALCULATION TYPE: None | BOND AMOUNT: \$0.00 | |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None | |
| INSPECTOR(S): Timothy Cazier, P.E. Amber Michels | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: July 5, 2023 | |

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.

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| (AR) RECORDS----- <u>Y</u> | (FN) FINANCIAL WARRANTY----- <u>NA</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>Y</u> | (SF) PROCESSING FACILITIES----- <u>Y</u> | (TS) TOPSOIL----- <u>N</u> |
| (MP) GENL MINE PLAN COMPLIANCE- <u>N</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>N</u> | (RS) RECL PLAN/COMP-- <u>Y</u> |
| (ES) OVERBURDEN/DEV. WASTE----- <u>NA</u> | (SC) EROSION/SEDIMENTATION--- <u>N</u> | (ST) STIPULATIONS----- <u>Y</u> |
| (AT) ACID OR TOXIC MATERIALS----- <u>N</u> | (OD) OFF-SITE DAMAGE----- <u>N</u> | |

Y = Inspected / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This site visit was conducted as part of the DRMS (Tim Cazier and Amber Michels) regular monitoring program. The Permittee (City of Colorado Springs) was represented by Messrs. David Deitemeyer and John Weaver during the inspection. The Snyder Quarry is accessed from Black Canyon Rd and is located approximately 1 mile north of Manitou Springs. It was not operating at the time of the inspection and is in final reclamation.

Availability of Records: Annual reports are current, having been filed through May 2023, stating the last mining activity was January 31, 2021. The previous inspection was on January 21, 2021. The approved post-mine land use is wildlife habitat. There are no open infractions. The site is now owned by the City of Colorado Springs.

Acid And Toxic Materials: No acid or toxic materials are involved in this operation.

Backfilling and Grading: The unreclaimed highwalls (see **Photo 1**) will require scaling to reduce rockfall and increase safety; primarily for bench reclamation activity, but also for the post-mine land use. It should also be noted both pits (see **Photos 2** and **3**) are required to be backfilled per the approved AM-4 reclamation plan (**Attachment A – emailed only**). The approved plan covers multiple highwall configurations. Sufficient backfill material may be available onsite for the pits after grading the southeast area for positive drainage as depicted in Figure RP-4 of the reclamation plan.

Excess Spoil and Dev. Waste: No overburden piles were observed.

Explosives: The site has filed an approved blasting plan (TR-1, July 24, 2001) with DRMS. Mr. Deitemeyer stated a contractor would perform any blasting for reclamation if necessary for reclamation. The current approved limits are as follows: a) the maximum peak particle velocity at the nearest structure is 1.0 inch/second for distances of 301 to 5000 feet (0.5 in/sec for historic structures); and b) the maximum peak airblast is limited to 133 dB, assuming the use of 2Hz microphones.

Financial Warranty: As the site is permitted by the City, no bond is required.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

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

Processing Waste: No processing waste was observed.

Roads: The main access road was observed to have an approximately 6-inch layer of sediment deposited on the road (or possibly 6 inches of roadbase that has eroded on the west side; see **Photo 4**) and the roadside ditch could benefit from some maintenance to remove rock and sediment (see **Photos 4** and **5**).

Right of Entry: The City of Colorado Springs owns the site, verified from the El Paso County Assessor's website.

Reclamation Success: The City had not initiated any new reclamation since the permit was transferred from the previous Permittee in 2021. The highwalls west and north of the north pit (see **Photo 6**) appeared to have been adequately reclaimed.

Revegetation: There has been no new revegetation effort since the previous inspection. Knapweed continues to be a minor problem on site. The DRMS advised the City to implement the TR-2 approved weed control plan (**Attachment B – emailed only**).

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: The shop building (see **Photo 7**) is allowed to remain per the approved reclamation plan, but it has been damaged by weather and vandalism. No other equipment or facilities were observed on site.

Signs and Markers: The permit sign was properly posted (see **Photo 8**), but the Permittee name needs to be changed from Continental Materials Corporation to Colorado Springs. Boundary markers were still visible.

Permit Stipulations: As indicated in the previous inspection report, there are three remaining applicable stipulations:

Stipulation No. 3: Permittee 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. 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, recommitted to in AM-04).

Structures: No new structures were observed since the previous inspection.

Post Inspection Meeting: The following items were discussed:

- Potential erosion of the sediment layer on the access road and the recommendation to perform maintenance in the access road side ditches;
- Continued treatment of the observed knapweed;
- Potential need to update the approved blasting plan as additional residences have been constructed since the blasting plan approval in 2001.

Mr. Deitemeyer requested the pre-inspection map the DRMS had for the inspection and blasting plan documentation for the site (TR-1 and our “Key elements to a blasting plan” guideline). All requested documents were emailed to Mr. Deitemeyer the day after this inspection. The pre-inspection map is enclosed with this report).

Please contact Tim Cazier (303)328-5229 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. Typical unreclaimed highwall needing scaling, at a minimum (North Phase WP pit, looking NW).



Photo 2. Southern pit needing backfill (looking north).

PHOTOGRAPHS (cont.)



Photo 3. Northern pit needing backfill (looking NW).



Photo 4. Access road and ditch needing maintenance (looking NW).

PHOTOGRAPHS (cont.)



Photo 5. Access road culvert beginning to accumulate sediment (west/inlet side).



Photo 6. Reclaimed highwalls on NW side of Phase WP (looking west).

PHOTOGRAPHS (cont.)



Photo 7. Shop building subjected to vandalism and weather damage.



Photo 8. Permit Sign at entrance (Permittee name needs to be changed).

Inspection Contact Address

David Deitemeyer
City of Colorado Springs
1401 Recreation Way
Colorado Springs, CO 80905

Enclosures: Pre-inspection Map
Attachment A - AM-4 reclamation plan (*emailed only*)
Attachment B - TR-2 approved weed control plan (*emailed only*)

ec: Amber Michels, DRMS
DRMS file
David Deitemeyer, City of Colorado Springs

M-1977-210 Snyder Quarry 2022 Pre-Inspection Map

Satellite Imagery from 5/5/2020

Pits needing backfill

Glacier Peak Minerals

Snyder Quarry

Legend

- Highwall Reduction - & yellow arrows / clouds
- M-77-210 Affected Area
- M-77-210 Affected Area Boundary
- M-77-210 Permit Boundary
- M-77-210 Reclaimed
- Sed Pond
- Storage Pond

Google Earth

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1000 ft

