



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.

<b>MINE NAME:</b> Winkler Light Aggregate Quarry	<b>MINE/PROSPECTING ID#:</b> M-1989-065	<b>MINERAL:</b> Crushed stone material	<b>COUNTY:</b> Douglas
<b>INSPECTION TYPE:</b> Monitoring	<b>INSPECTOR(S):</b> Peter S. Hays	<b>INSP. DATE:</b> November 9, 2017	<b>INSP. TIME:</b> 11:30
<b>OPERATOR:</b> Schmidt Construction Company	<b>OPERATOR REPRESENTATIVE:</b> Mark Heifner	<b>TYPE OF OPERATION:</b> 112c - Construction Regular Operation	

<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> Partial Bond	<b>BOND AMOUNT:</b> \$375,000.00
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None
<b>WEATHER:</b> Clear	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> November 28, 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 mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign as required by Rule 3.1.12(1).

**CORRECTIVE ACTIONS:** The Operator shall, at the entrance of the mine site, post a sign which shall be clearly visible from the access road with the following: the name of the Operator, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board; and the permit number. The Operator shall submit photo documentation that a proper sign has been posted by the corrective action date.

**CORRECTIVE ACTION DUE DATE:** 12/28/17

## **OBSERVATIONS**

The Winkler Light Aggregate Quarry was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. The site was previously inspected on November 7, 2013. Mr. Mark Heifner representing Schmidt Construction Company was present during the inspection.

As cited as a problem above, a mine identification sign was not posted at the entrance of the mine site as required by Rule 3.1.12(1). The Division will require the Operator to post a sign at the entrance of the mine site which is clearly visible from the access road with the name of the Operator, a statement a reclamation permit has been issued by the Colorado Mined Land Reclamation Board and the permit number by the corrective action due date.

The site is an 112c Construction Materials permitted for 1,606 total acres with 660 acres of disturbance with no more than 100 acres of disturbance at one time. The quarry mines rhyolite to be used in lightweight aggregate application and dimensional cut blocks. The Douglas County Special Use permit requires a minimum 500 foot setback from the permit boundary. The permit was issued by the Division on April 26, 1991. The Division currently holds a financial warranty in the amount of \$375,000.00, which appears adequate to reclaim the current site disturbance.

The site was active during the inspection. The 2017 Annual Report and Map submitted by the Operator accurately depicts the status of the site. The disturbance in the main quarry is contained within Phase 1 and Phase 2. The active highwall is progressing toward the southwest corner of Phase 2. Mining extraction will continue in Phase 2 until the 200 foot offset from the overhead powerlines centerline is reached. The Phase 2 south highwall is backfilled concurrently with mining activities for highwall stability.

The Cut Stone Quarry appeared as depict in the 2017 Annual Report and map. No evidence of recent mining activity was observed. The Operator stated the quarry is used by the Douglas County bomb squad to detonate explosives.

The site disturbance is approaching the approved maximum allowable disturbance of 100 acres. The Operator will be required to submit and receive approval from the Division for a technical revision, pursuant to Rule 1.9, with an updated reclamation cost estimate for additional acreage prior to disturbing more than the currently allowed 100 acres.

The approved post-mining land use is rangeland. The mining excavation is backfilled to original grade following the removal of the rhyolite. Backfill operations were observed in the southeast corner of Phase 2. The north portion of Phase 1 was released by the Division in 2013. The active reclamation area south of the release area was inspected to observe the current status of reclamation. The area appeared stable and the reclamation vegetation was establishing well with occasional areas lacking vegetation. Topsoil and overburden were stripped separately ahead of the active highwall in Phase 2. Well-vegetated stockpiles of topsoil were observed north and south of the office and on the east side of Phase 1 and 2 at the boundary with Phase 3.

Photographs taken during the inspection are attached.

## PHOTOGRAPHS



View of the active excavation along the south boundary in the SW corner of Phase 2



View of the area in Phase 2 prepared for blasting with stripped overburden to the west





View of the backfilled south highwall in Phase 2



View of the south end of Phase 2 from the access road looking southeast





View of processing area in the main pit from the access road looking east



View of processing area in the main pit from the access road looking northeast





View of the north end of Phase 1 from the access road looking northeast



View of the active reclamation area in the north end of Phase 1 looking south

### 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>N</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(ST) STIPULATIONS----- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <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

#### Inspection Contact Address

Mr. Scott Davis  
Schmidt Construction Company  
2635 Delta Dr.  
Colorado Springs, CO 80910

Ec: Wally Erickson, DRMS