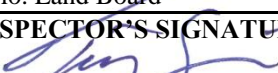




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

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: Table Mountain Quarry	MINE/PROSPECTING ID#: M-1999-004	MINERAL: Silica (quartz, quartz)	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: March 11, 2014	INSP. TIME: 12:50
OPERATOR: Tezak Heavy Equipment Co. Inc.	OPERATOR REPRESENTATIVE: Daniel Tezak	TYPE OF OPERATION: 112c - Construction Regular Operation	

REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$202,793.00
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: Colo. Land Board	JOINT INSP. AGENCY: Colo. Land Board
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: March 2, 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: The current approved reclamation plan does not address the existing quonset hut shop. The reclamation plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-116 (1). The operator must describe or identify how the operator intends to conduct reclamation with respect to this structure.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved reclamation plan to reflect the existing structure by the corrective action date.

CORRECTIVE ACTION DUE DATE: 5/01/15

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Operator (Tezak Heavy Equipment Co. Inc.) was represented by Mr. Daniel Tezak who was present for the inspection. Mr. Phil Courtney with the State Land Board was also present for the inspection as the permit occupies land administered by the State.

The Table Mountain Quarry access road entrance is located approximately 11 miles north of Penrose, off State Hwy 115. The access road is approximately 3.5 miles long to the active pit area. This is a 112c silica/quartz mine. The mine was operating at the time of the inspection.

Inspection:

Markers & Boundary – A permit sign was displayed at the site entrance (see **Photo 1**). Mr. Tezak explained that the County Permit has restrictions to limit visual impact, such that mining activity is restricted by topography and the permit boundaries are not marked.

Mining Plan – The Area A highwall was estimated to be approximately 500 feet long (see **Photos 2 and 3**). The maximum height was approximately 30 feet and appeared relatively stable, with the exception of some minor rockfall. Several stockpiles of material were observed in the Area A pit (see **Photos 4 and 5**). Equipment observed on site included a screen, conveyor and loader (see **Photo 6**). Mr. Tezak indicated the Area B pit (see **Photos 7 and 8**) had not been active for quite some time.

Mr. Tezak indicated the last blasting performed on site was in 2009 or 2010. Both their blasting plan and stormwater management plan are kept on file at the Aggregate Source office west of Cañon City.

Reclamation – A topsoil stockpile was observed at the upgradient west side of the Area A pit (see **Photo 9**). An area west of Area A has been reclaimed, possibly to releasable standards (see **Photo 10**). The Division observed a quonset hut type structure (see **Photo 11**) near the south end of Area A, near the truck scale.

Environmental – The Division observed the sediment pond on the south end of the permit area (see **Photo 12**). The Division recommended to Mr. Tezak that the pond be cleaned out. The Division subsequently received photographic documentation of the repairs to the sediment ponds completed in March of 2014. The outfall channel from the pond (see **Photo 13**) is lined with riprap and appears to be adequately controlling erosion. The Division observed a stockpile of milled asphalt (also **Photo 13**) north of the sediment pond. Mr. Tezak indicated the milled asphalt would be used on the 3.5-mile haul road. No problems with erosion/sedimentation or noxious weeds were observed.

Records:

- **Revisions:**
 - a) **Amendment 1** (AM-01) was approved in 2003 to add 72.6 acres to the permit area for a total of 561.4 acres.
 - b) **Succession of Operators:** The site permit has been transferred twice (first in 2003, then in 2008 to Tezak Heavy Equipment Co. Inc.).
- **Commitments/Stipulations:**
 - a) **Commitment No. 1** submitted in May 2003, limits the length of the highwall at any given time to

2,000 feet.

- **Other Records**

- a) A review of Google Earth images confirms mining activity appears to be confined to Area A (Section 22) and Area B (Section 15) as shown on maps submitted with the annual reports.
- b) A review of Fremont County's GIS Parcel viewer indicates all land associated with and around the permit area is owned by the Colorado State Land Board (SLB). However, the AM-01 application suggests the Federal Bureau of Land Management (BLM) owns Area B. The BLM confirmed via email that the SLB owns all the parcels in the permit now.
- c) The total permitted area is 561.40 acres, with a maximum allowed disturbed area (at one time) of **38.7 acres** (limited to Areas A & B **ONLY** per Revised Exhibit L, dated April 22, 2003 as part of the AM-01 review process). This includes 31.2 acres of "Quarry Area Proper" and 7 acres of "Other Disturbances". The maximum affected area is limited to Areas A, B and C. Also stated in the 4/22/2003 revised Exhibit L, A Technical Revision calculating the reclamation cost for Area C must be submitted to the Division prior to disturbing any portion of Area C.
- d) The Division cannot find any records for the quonset hut, nor reclamation plans and/or demolition costs for the structure. **The absence of a reclamation plan for this structure is cited as a problem on page 1 of this report.** A rough estimate for demolition of the structure indicates the existing bond is adequate for demolition.
- e) The previous inspection was performed on 6/18/2008. No problems were cited.
- f) The anniversary date is June 25. Annual reports and fees are current through 2014. The reported affected area for the last three annual reports has been a consistent 34.5 acres.
- g) The post-mine land use is wildlife habitat.

Bond:

Specifics with regard to bond calculations and adjustments are unclear for this permit. The current bond was updated in 2003 with the approval of Amendment No. 1 (AM-01) and is \$202,793.00 (corporate surety). Based on the 2013 and 2014 annual reports, the disturbed area is 34.5 acres. The current bond is deemed adequate at \$5,878/acre (assuming 34.5 acres of disturbance).

Summary and Recommendations:

1. No problems or concerns were observed during the inspection.
2. A records review found no reclamation plans for the existing quonset hut shop. The Division requires a technical revision to document the reclamation plan for the quonset hut structure. The TR should include the structure's dimensions (including area and height) and thickness of concrete floors and/or foundations.
3. The bond appears adequate for the current disturbance. However, prior to any disturbance in Area C, the Operator shall submit a Technical Revision to update the reclamation plan and Exhibit L, reclamation cost estimate.

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

PHOTOGRAPHS



Photo 1. Permit identification sign.



Photo 2. Area A highwall (looking north).

PHOTOGRAPHS (cont.)



Photo 3. Area A highwall (looking NE).



Photo 4. Area A pit material stockpiles (1 of 2).

PHOTOGRAPHS (cont.)



Photo 5. Area A pit material stockpiles (2 of 2).



Photo 6. Grizzly screen, conveyor & loader (south of Area A pit).

PHOTOGRAPHS (cont.)



Photo 7. Area B pit (1 of 2) (looking NNE).



Photo 8. Area B pit (2 of 2) (looking east).

PHOTOGRAPHS (cont.)



Photo 9. Topsoil stockpile observed at upgradient west side of Area A pit.



Photo 10. Area west of Area A – possibly reclaimed to releasable standards (looking south).

PHOTOGRAPHS (cont.)



Photo 11. Quonset hut shop (looking NW).



Photo 12. Sediment pond on the south end of the permit area (looking SE).

PHOTOGRAPHS (cont.)



Photo 13. Riprap-lined outfall channel from sediment pond (looking north).

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>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>Y</u>	(SP) STORM WATER MGT PLAN---- <u>Y</u>	(SB) 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>Y</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

Daniel Tezak
Tezak Heavy Equipment Co. Inc.
205 Tunnel Dr.
Canon City, CO 81212

EC: Tom Kaldenbach, DRMS
DRMS file
Phillip Courtney, SLB