


**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: T.H.E. Aggregate Source	MINE/PROSPECTING ID#: M-1977-193	MINERAL: Granite, granite Gneiss and gravel	COUNTY: Fremont
INSPECTION TYPE: Monitoring	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: March 28, 2018	INSP. TIME: 11:30
OPERATOR: Tezak Heavy Equipment Co. Inc.	OPERATOR REPRESENTATIVE: Randy DiLuzio & Lu Toxvard	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$732,350.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Cloudy	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 3, 2018	

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.

(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>Y</u>	(SF) PROCESSING FACILITIES----- <u>Y</u>	(TS) TOPSOIL----- <u>N</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>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <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

OBSERVATIONS

This inspection was conducted as part of the regular monitoring program. The Permittee (Tezak Heavy Equipment) was represented by Messrs. Randy DiLuzio and Lu Toxvard during the inspection. The Aggregate Source Pit is accessed from US Hwy, just west of the intersection with Tunnel Drive approximately 1.5 miles west of Cañon City. This is a 112c stone and gravel mine. It was operating at the time of the inspection.

Availability of Records: Annual fees are paid through November 2017. The most recent inspection was on July 26, 2017. However, it was not completed due to a site emergency. The previous complete inspection was on June 20, 2013. The approved post-mine land use is rangeland. There are no open infractions.

Backfilling and Grading: Some areas on the south end of phase 1 had been graded for final reclamation (see **Photo 1**).

Explosives: Blasting reports are kept on file in the site office. Mr. DiLuzio indicated they recently began doing both their own drilling and blasting. Blasting operations continue to be carried out under the guidelines approved under TR-03 in 1996.

Financial Warranty: The complete bond was last calculated in 2015 for AM-5. The \$732,350 bond held by the Division is adequate for the observed mine disturbance.

Fish and Wildlife: No impact to fish or wildlife was observed.

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

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. Google Earth was used to measure the disturbed area, which was estimated to be approximately 95 acres (based on June 2016 satellite imagery). Highwalls were benched at an estimated 40 feet in height and appeared stable (see **Photo 2**). Mr. DiLuzio indicated the phase 1 pit floor was at elevation 5,660, but the permit allows it to be lowered to 5,550 as reiterated in Amendment 5. Subsequent to the inspection, this inspector was contacted by Mr. Ken Klco who indicated he had visited the site and was working on the annual highwall stability evaluation as agreed to during the Division's inspection on June 20, 2013.

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

Processing Waste: The fines are currently being stockpiled near the southwest corner of phase 1 (see **Photo 3**) for the purpose of the highwall backfill approved as part of TR-9. Mr. DiLuzio indicated there may be a market for some of the fines material. If so the backfill may take longer than originally anticipated.

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

Reclamation Success: As mentioned under backfilling and grading above, some final grading has been accomplished at the south end of Phase 1.

Revegetation: No revegetation efforts had been initiated at the time of the inspection. No noxious weeds were

observed.

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

Support Facilities On-site: A screen plant, crusher, excavators, and haul trucks were observed on site (see **Photo 4**).

Signs and Markers: The permit sign was properly posted (see **Photo 5**) and boundary markers were observed to delineate the permit boundary (see **Photo 6**).

Permit Stipulations: There is one permit stipulation stemming from the approval of Amendment 5 (AM-5). This stipulation requires the Permittee submit a technical revision to re-evaluate the bond prior to entering into phase 3. The purpose of the bond re-evaluation is to ensure sufficient bond for the highwall reclamation based on benching practices at the time.

Storm Water MGT Plan: No oil or fuel spills observed. The stormwater management plan is kept in site trailer.

Topsoil: There is little topsoil, but Mr. DiLuzio indicated what is available as the pit expands is being stripped and placed on the area undergoing reclamation, rather than being stockpiled.

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. Reclaimed portion of Phase 1 (looking SW).

PHOTOGRAPHS (cont.)



Photo 2. Active highwall (looking NE).



Photo 3. Fines stockpile, for TR-09 backfill (looking south).

PHOTOGRAPHS (cont.)



Photo 4. Processing equipment on pit floor (looking NNE).



Photo 5. Permit boundary sign (near entrance).

PHOTOGRAPHS (cont.)



Photo 6. Typical permit boundary marker (phase 2 corner).

Inspection Contact Address

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ec: DRMS file
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