




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: Hitch Rack Ranch	MINE/PROSPECTING ID#: P-2017-008	MINERAL: Granite, granite gneiss	COUNTY: El Paso
INSPECTION TYPE: Preoperation Inspection	INSPECTOR(S): Timothy A. Cazier	INSP. DATE: June 13, 2017	INSP. TIME: 10:30
OPERATOR: Transit Mix Concrete Co.	OPERATOR REPRESENTATIVE: Brandan Heser, Paul Kos	TYPE OF OPERATION: ME - Mineral Exploration	
REASON FOR INSPECTION: Preoperation Inspection	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: No Bond Held	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 15, 2017	

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>N</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>NA</u>
(SM) SIGNS AND MARKERS----- <u>NA</u>	(SP) STORM WATER MGT PLAN---- <u>NA</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>NA</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>NA</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <u>NA</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 was a pre-operational inspection for a new NOI intended to install groundwater monitoring wells in support of the anticipated new Hitch Rack Ranch mine reclamation permit application. Messrs. Brandon Hesper and Paul Kos were present representing Transit Mix. Tim Cazier and Amy Eschberger represented the Division.

Six monitoring wells are proposed as part of this NOI: one near the upstream proposed permit boundary on Little Turkey Creek (LTC-GW-1); two near the downstream proposed permit boundary on Little Turkey Creek (LTC-GW-2, west of the fault; and LTC-GW-6, east side of the fault); two in small, normally dry tributaries that drain to Little Turkey Creek from the south (LTC-GW-3, west side of the proposed pit; and LTC-GW-4, east side of the proposed pit); and one on top of the ridge south of Little Turkey Creek (LTC-GW-5). All monitoring wells are to be drilled to a depth approximately 100 feet below the adjacent elevation of Little Turkey Creek.

As part of this inspection, each proposed site was observed and coordinates were obtained using a Trimble Juno 3B hand held GPS unit. A map of the six proposed sites is included in this report as **Figure 1**. The three proposed monitoring wells near Little Turkey Creek (LTC-GW-1, -2, and -6) are to be accessed from the same road (Little Turkey Creek Road) used by local residents. Sites were selected by Transit Mix where a drill rig could set up and not block local traffic. LTC-GW-1 (see **Photo 1**) is to be located approximately 50 feet south of the local access road. LTC-GW-2 (see **Photo 2**) and LTC-GW-6 (see **Photo 3**) are to be adjacent to the local access road, but sites were selected so as to not block local traffic. These three sites, particularly LTC-GW-2 and -6, are in close proximity to Little Turkey Creek. As such, **the drillers will need to take precautions and implement best management practices (BMPs) to prevent impacts (e.g., sediment, petroleum product spills, and drilling fluids, etc.) to Little Turkey Creek during monitoring well installation.**

The only new proposed drill road is for access to LTC-GW-4 (see **Photo 4**). This will be along the aforementioned normally dry drainage (see **Photo 5**). Transit Mix representatives indicated buggy rigs would be used to drill the monitoring wells. As such, only tree removal and possible some minor grading will be required. No seeps or springs were observed in the drainage leading to the proposed LTC-GW-4 site.

Access to LTC-GW-3 and -5 is planned via the existing drill road to boreholes HC006-15 and B5 completed under the Division's previously approved NOI, file number P-2014-016. [Note: *As this drill road was approved and constructed under another NOI, a separate inspection report will be generated for P-2014-016 and sent under separate cover*]. The proposed LTC-GW-3 location is shown in **Photo 6**. The proposed LTC-GW-5 location is shown in **Photo 7**. Two seeps were observed in this existing drill road and shown on **Figure 1**. The lower seep (see **Photo 8**) was estimated to be less than a gallon per minute and the upper seep (see **Photo 9**) was estimated to be less than 0.5 gallons per minute.

The Division is continuing to review this NOI application and Transit Mix's responses to the June 2, 2017 Notice of Deficiencies. A decision on this NOI will be sent under separate cover.

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. LTC-GW-1 to be located ~50 feet south of the local access road (looking east).



Photo 2. LTC-GW-2 to be adjacent to the local access road (not staked yet, looking NE).

PHOTOGRAPHS (cont.)



Photo 3. LTC-GW-6 to be adjacent to the local access road (looking NW).



Photo 4. LTC-GW-4 to be ~500 ft SW of the local access road (looking SW).

PHOTOGRAPHS (cont.)



Photo 5. Typical bottom of normally dry drainage leading to LTC-GW-4.



Photo 6. Proposed LTC-GW-3 location on existing drill road, ~1,000 ft SW of the local access road.

PHOTOGRAPHS (cont.)



Photo 7. Proposed LTC-GW-5 location on existing drill road, ~1,500 ft SSW of the local access road (looking N).



Photo 8. Lower seep, ~150 ft downgradient of LTC-GW-3.

PHOTOGRAPHS (cont.)



Photo 9. Upper seep, ~150 ft upgradient of LTC-GW-3.

Inspection Contact Address

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Enclosure

EC: Amy Eschberger, DRMS
DRMS file
Brandon Heser, Transit Mix

Figure 1. P-2017-008 Inspection Map

Satellite imagery from 11/2/2015
Inspection Date: 6/13/2017

Legend

- Drill Pad
- Drill Road
- Existing Drill Rd
- Proposed MW
- Hitch Rack Ranch
- Proposed Drill Road
- Seep Trace

