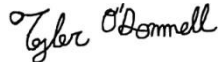




COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

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: Hazeltine Mine	MINE/PROSPECTING ID#: M-2004-031	MINERAL: Sand and gravel	COUNTY: Adams
INSPECTION TYPE: Mineral Monitoring	INSPECTOR(S): Tyler V. O'Donnell	INSP. DATE: May 27, 2014	INSP. TIME: 13:30
OPERATOR: Aggregate Industries - WCR, Inc.	OPERATOR REPRESENTATIVE: Connie Davis	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Citizen Complaint	BOND CALCULATION TYPE: None	BOND AMOUNT: \$670,602.00	
DATE OF COMPLAINT: March 19, 2014	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: June 4, 2014	

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: Hydrologic Balance

PROBLEM/POSSIBLE VIOLATION: Problem: The slurry wall installed in 2005, lacking means of ground water conveyance around the pit, is causing ground water mounding and elevated ground water levels upgradient of the site. This is causing the water table to rise to the point that areas that were dry before the slurry wall installation are now saturated, and in some places inundated. This represents an Enforcement Problem, and could escalate to a Possible Violation if allowed to continue unabated. The following sections of the Colorado Mined Land Reclamation Act apply: (1) §34-32.5-116(4)(h) for failure to minimize disturbances to the prevailing hydrologic balance of the affected land and of the surrounding area and to the quality and quantity of water in surface and groundwater systems during the mining operation, and (2) §34-32.5-116(4)(i) for failure to protect areas outside of the affected land from slides or damage occurring during the mining operation.

OBSERVATIONS

This inspection was conducted by Tyler O'Donnell of the Division of Reclamation, Mining and Safety (Division/DRMS). This inspection was conducted as a follow-up to the Division's March 27, 2014 inspection. Aggregate Industries - WCR, Inc., The Operator, was represented by Connie Davis during the inspection. Aggregate Industries - WCR, Inc.'s Contractor, Nick Silbaugh was present during the inspection. Fred Orr was present during the inspection. Steve O'Brian with Environment, Inc., the consultant representing Fred Orr, was present during the inspection. The primary reason the Division conducted a follow-up inspection was to verify the performance of the Agridrain, after the Agridrain was cleared of debris during the March 27, 2014 inspection.

The inspection began at the Orr property. The inspection consisted of a visual examination of the Orr property and a discussion of the ongoing issues detailed in the written complaint. The visual inspection of the Orr property found that the land surface was still wet. The Division believes that the water level in the depression in the central part of the Orr property has dropped approximately 4 to 6 inches since the Division's March 27, 2014 inspection. The Division came to this conclusion by comparing photos taken during the March 27, 2014 (see photo 1) inspection and this inspection (see photo 2 and 3).

Following the investigation at the Orr property, the Division entered the mine site with the intention to observe the operation of the Agridrain. The Operator's representative explained to the Division that the haul/mine road to the northeast corner of the mine site was impassible due to recent rains. The Operator's representative stated the best option to access the Agridrain would be to drive on the bike path along the western edge of the permitted mine site. The Division decided not to drive on the bike path to access the northeast corner of the mine site where the Agridrain is located. Therefore the Division was not able to access the Agridrain during the inspection. The Operator's representative provided photos of the new inlet screen design and the staff gauge which will be incorporated into the approved permit through TR-03. The Operator's representative stated they would email the photos of the new inlet screen and the staff gauge to the Division.

Conclusion

Based on observations made during the inspection it appears that the water level on the Orr's property has dropped, drying portions of that land surface that were previously submerged during the March 27, 2014 inspection. However at this time the Division believes that the Operator has failed to resolve the problem cited in the October 5, 2011 inspection report for failure to minimize disturbance to the prevailing hydrologic balance pursuant to C.R.S. 34-32.5-116(4)(h). Although it appears at the present time that the Operator could be making progress resolving this problem. The Division requested the Operator to commit to weekly monitoring of the Agridrain during the March 27, 2014 inspection report. The Operator submitted TR-03 on May 15, 2014. TR-03 will incorporate in to the approved permit a weekly monitoring and maintenance plan for the Agridrain and an improved inlet screen design. TR-03 also incorporated a surface water monitoring gauge (staff gauge at the inlet pipe of the Agridrain). The Operator will report the results of the monitoring plan to the Division monthly. The results of the monitoring and maintenance plan will help the Division determine if the Operator is minimizing the disturbance to the prevailing hydrologic balance.

PHOTOGRAPHS



Photo 1: Photo of the depression in the central part of the Orr property taken on March 27, 2014.



Photo 2: Photo of the depression in the central part of the Orr property taken on May 27, 2014.



Photo 3: Photo of the depression in the central part of the Orr property taken on May 27, 2014.



Photo 4: View looking northwest from the ditch access road. The Agridrain is near the center of the photo.

(AR) RECORDS----- <u>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>PB</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>N</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>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(SB) COMPLETE INSP---- <u>N</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION--- <u>N</u>	(RS) RECL PLAN/COMP-- <u>N</u>
(AT) ACID OR TOXIC MATERIALS----- <u>N</u>	(OD) OFF-SITE DAMAGE----- <u>Y</u>	(ST) STIPULATIONS----- <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

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