




**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> Henderson Mine	<b>MINE/PROSPECTING ID#:</b> M-1977-342	<b>MINERAL:</b> Molybdenum	<b>COUNTY:</b> Clear Creek, Grand
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Cloudy	<b>INSP. DATE:</b> September 14, 2023	<b>INSP. TIME:</b> 09:30
<b>OPERATOR:</b> Climax Molybdenum Company	<b>OPERATOR REPRESENTATIVE:</b> Geoff Niggeler	<b>TYPE OF OPERATION:</b> 112d-3 - Designated Mining Operation	
<b>REASON FOR INSPECTION:</b> Normal I&E Program	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$135,204,778.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Brock Bowles Joel Renfro	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> September 21, 2023	

**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>N</u>	(RD) ROADS----- <u>N</u>
(HB) HYDROLOGIC BALANCE----- <u>N</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</u>	(SF) PROCESSING FACILITIES----- <u>N</u>	(TS) TOPSOIL----- <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>N</u>	(FW) FISH & WILDLIFE----- <u>N</u>	(RV) REVEGETATION---- <u>N</u>
(SM) SIGNS AND MARKERS----- <u>N</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 / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

## **OBSERVATIONS**

This inspection was conducted by Brock Bowles and Joel Renfro of the Division of Reclamation, Mining and Safety (Division). Geoff Niggeler of Climax Molybdenum- Henderson Operations (Henderson) were present for the inspection. The Henderson Mill is located 15 miles south of Parshall in Grand County. This site is a 112d-3 Designated Mining Operation (DMO) permitted for 11,877.5 acres. At the time of the inspection, it was warm, mostly cloudy with scattered thunderstorms in the area. The ground was mostly dry. Parts of this inspection had to be conducted from inside the vehicle or abbreviated due to Henderson lightning protocols.

The focus of this inspection was to inspect stormwater outfalls before winter. The outfalls along the conveyor corridor were inspected along with the interceptor canal around the TSF.

OF-M10 (photo 1) and OF-M15 are located on either side of the conveyor at the portal. Both were in good working order.

OF-M8 is located at the transfer station. It contains a series of ditches, culverts and a holding pond. These structures are used to control the sediment falling off the conveyor belt (photo 2). The ditches and pond were recently cleaned. Waddles were recently replaced and appeared to be installed correctly.

OF-M11, OF-M7, OF-M12, and OF-M6 are located along the conveyor road (photo 3). All these outfalls are constructed of a rock check dam placed within the roadside berm. In front of each rock check dam, two rows of waddles were staked in.

OF-M5 is located on the conveyor road at the intersection with the Forest Service Road (photo 4). Gabion cages are used to create a containment area with waddles placed along the length of the cages.

OF-M4 and OF-M18 (photo 5) are located on the conveyor corridor. Both have had new waddles installed.

OF-M21 is located at the East Branch diversion. It is constructed of a rock check dam placed within the roadside berm. In front of the rock check dam, two rows of waddles were staked in.

The inlet grizzly for the East Branch diversion was free and clear of obstructions.

The length of the interceptor canal was driven. No obstructions were seen and the embankment appeared to be stable.

## PHOTOGRAPHS



Photo 1 – OF-M10 by conveyor portal



Photo 2 – Ditch at OF-M8 controlling dust from conveyor belt.



Photo 3 – OF-M11 along conveyor road



Photo 4 – OF-M5 has gabion cages create containment area.



Photo 5 – OF-M18 next to conveyor corridor

**Inspection Contact Address**

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