




**MINERALS PROGRAM INSPECTION REPORT**  
**PHONE: (303) 866-3567**

The Division of Reclamation, Mining and Safety 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> Clear	<b>INSP. DATE:</b> November 30, 2022	<b>INSP. TIME:</b> 10:00
<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>	<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> Peter Hays	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> December 5, 2022	

**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>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>Y</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**

The Henderson Mill was inspected by Peter Hays with the Division of Reclamation, Mining and Safety (Division/DRMS) as part of the Division's monitoring inspection program. Mr. Geoff Niggeler and Mr. Miguel Hamarat with Climax Molybdenum - Henderson Operations (Henderson) were present during the inspection.

The current Environmental Protection Plan (EPP) for the Mine and Mill was approved by the Division under technical revision no. 34 (TR34) on August 24, 2021. Table 4-1 within the EPP lists the other permit and licenses required to operate the Mine and Mill. A records check was conducted by the Division during the inspection. All permits and licenses listed in the table were current and available for review by the Division.

The 2022 field construction season concluded at the Mine and Mill sites due to winter conditions. The following regulatory, reclamation and operational activities were completed or approved during 2022.

- Mill Water Treatment Plant (TR35) was approved by the Division on April 24, 2021.
- Three (3) vegetation test plots were constructed and seeded on the tailings impoundment.
- One (1) of the two (2) permitted exploration borings was completed at the Puzzler NOI site, P-2022-006.
- The final release request (SL1) for the Red Mountain NOI was denied by the Division on September 27, 2022.
- The 1-Dam crest raise was completed during the 2022 field season.

The following regulatory, reclamation and operational activities are planned for next year.

- The construction of two (2) vegetation test plots on the face of 1-Dam.
- The investigation and design for the possible relocation of the TDL emergency cutout and cutout #1 outlet pipes to allow for positive drainage of the tailings impoundment below the East Branch Reservoir.
- The repair of the south (right) abutment drain pipe on 1-Dam.
- The design for the 3-Dam phase 3 buttress project.
- The repair of the pipeline from the Williams Fork pump house towards the Mill.
- The investigation and possible installation of additional groundwater monitoring wells between 1-Dam and 3-Dam. The investigation may result in an amendment application to increase the permitted disturbed acreage to allow for the construction of the access roads and monitoring wells.
- The relocation of the Mill EPF 2.3b - Depressant Chemical Storage (Orform D8 Depressant). The chemical is currently stored in totes. The Operator will investigate storing the chemical in a tank instead of totes.

No photographs were taken during the inspection. If you need additional information or have any questions, please contact me at the Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at 303.866.3567 x 8124, or by email at [peter.hays@state.co.us](mailto:peter.hays@state.co.us).

### **Inspection Contact Address**

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