




**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> Cross Gold Mine	<b>MINE/PROSPECTING ID#:</b> M-1977-410	<b>MINERAL:</b> Gold, copper, silver,	<b>COUNTY:</b> Boulder
<b>INSPECTION TYPE:</b> Monitoring	<b>WEATHER:</b> Windy	<b>INSP. DATE:</b> November 16, 2023	<b>INSP. TIME:</b> 09:30
<b>OPERATOR:</b> Grand Island Resources LLC	<b>OPERATOR REPRESENTATIVE:</b> Je'an-Paul Brewer	<b>TYPE OF OPERATION:</b> 110(2) - Hard Rock Limited Impact	
<b>REASON FOR INSPECTION:</b> Priority	<b>BOND CALCULATION TYPE:</b> None	<b>BOND AMOUNT:</b> \$546,751.00	
<b>DATE OF COMPLAINT:</b> NA	<b>POST INSP. CONTACTS:</b> None	<b>JOINT INSP. AGENCY:</b> None	
<b>INSPECTOR(S):</b> Patrick Lennberg	<b>INSPECTOR'S SIGNATURE:</b> 	<b>SIGNATURE DATE:</b> November 16, 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>Y</u>	(FN) FINANCIAL WARRANTY----- <u>N</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>N</u>	(EX) EXPLOSIVES----- <u>N</u>
(PW) PROCESSING WASTE/TAILING---- <u>N</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>N</u>
(SM) SIGNS AND MARKERS----- <u>Y</u>	(SP) STORM WATER MGT PLAN---- <u>N</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>N</u>	(SC) EROSION/SEDIMENTATION-- <u>N</u>	(ST) STIPULATIONS----- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>Y</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 Cross Gold Mine was inspected by Patrick Lennberg with the Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed as part of the Division's increased inspection frequency, the permit is to be inspected on a quarterly basis. The site was previously inspected by the Division on September 28, 2023 during the third quarter inspection of 2023. Je'an-Paul Brewer representing Grand Island Resources, LLC (GIR), the Permittee/Operator, accompanied me during the inspection. The weather was windy with scattered snow flurries.

The Cross Gold Mine is a 110(2) underground mine operation permitted for 9.9 acres for the mining of gold, silver, and other minerals. The permit area includes two discharging mine openings: the Cross Mine portal (at the Cross Mine) and the Idaho Tunnel portal (at the Caribou Mine). Discharge from these mines is directed to a series of plastic-lined ponds prior to being treated and discharged into Coon Track Creek at the permitted discharge point (CO0032751). The mine is located on land owned by the permittee. The site is located approximately 4 miles northwest of Nederland, CO in Boulder County, at an elevation of approximately 9,760 feet. Access to the site is off of Caribou Road. A separate entrance exists for each of the two mines at the site, the Cross Mine (to the south) and the Caribou Mine (to the north). The approved post-mining land use is a combination of forestry and residential. A mine sign was observed at the primary mine entrance as required by Rule 3.1.12.

The site was not active at the time of inspection and is currently being maintained by a reduced staff. The Division observed water being discharged from the Idaho Tunnel into Ponds 3a, b and c. The water is then conveyed to Pond 1 and then to the Joliet Raise. The Operator stated that the ponds are beginning to ice over as winter approaches.

The water treatment plant was observed inside the heated conex boxes. The Division reiterated, from previous inspections, that when the Operator determines a proper disposable facility for sediment and discarded filters they need to provide the Division with the letter of acceptance from the facility along with the analytical results. It was also stated these similar documents were also needed for disposal of the water treatment sludge.

Photographs taken during the inspection are attached.

Please contact Patrick Lennberg (303)866-3567 ext. 8114 or email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us) if you have any questions regarding this report.

#### **Inspection Contact Address**

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**PHOTOGRAPHS**



**Photo 1:** Idaho Tunnel entrance



**Photo 2:** Ponds 3a, 3b and 3c





**Photo 3:** Ponds 3b and 3c



**Photo 4:** Service road leading down from the main office area to Pond 1





**Photo 5:** Looking towards the Idaho Tunnel from Pond 3c



**Photo 6:** Pond 1





**Photo 7:** Inside water treatment facility



**Photo 8:** Inside water treatment facility





**Photo 9:** Cross Mine Tunnel entrance



**Photo 10:** Looking north across the site from the warehouse