




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: Cross Gold Mine	MINE/PROSPECTING ID#: M-1977-410	MINERAL: Gold, copper, silver,	COUNTY: Boulder
INSPECTION TYPE: Monitoring	WEATHER: Clear	INSP. DATE: September 28, 2023	INSP. TIME: 10:30
OPERATOR: Grand Island Resources LLC	OPERATOR REPRESENTATIVE: Je'an-Paul Brewer	TYPE OF OPERATION: 110(2) - Hard Rock Limited Impact	
REASON FOR INSPECTION: High Priority	BOND CALCULATION TYPE: Partial Bond	BOND AMOUNT: \$546,751.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
INSPECTOR(S): Patrick Lennberg	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: October 14, 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>Y</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>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>Y</u>	(ST) STIPULATIONS----- <u>Y</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 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 May 18, 2023 during the second 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 clear.

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. Since the last inspection two Technical Revisions (TRs) have been submitted and approved. On June 8 TR-12 was submitted for approval of a new snowshed over the Cross Mine tracks, replace the tracks, and relocating the water treatment plant. On June 12 TR-13 was submitted for revising the Groundwater Sampling Plan to allow for collecting a single filed blank sample per sampling event. Both technical revisions were approved by the Division on June 15, 2023.

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 developed dense aquatic vegetation over the summer that required a significant effort to maintain the ponds.

Pond 2 continues to be utilized to contain the back flush water and sediment from the water treatment plant. Pond 2 will be cleaned out again in the future. The Division reiterated, from previous inspections, that when the Operator determines a proper disposable facility for the sediment that 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 if you have any questions regarding this report.

Inspection Contact Address

Richard Mittasch
Grand Island Resources LLC
4415 Caribou Rd
Nederland, CO 80466

cc: Jared Ebert, DRMS

ec: Je'an-Paul Brewer, Grand Island Resources LLC, jpbrewer@nedmining.com
Sergio Rivera, Grand Island Resources LLC, sergio.rivera@novametallix.com

PHOTOGRAPHS



Photo 1: Mine sign at the primary mine entrance location



Photo 2: Idaho Tunnel entrance



Photo 3: Idaho Tunnel discharge into Pond 3a



Photo 4: Ponds 3b and 3c



Photo 5: Pond 3c



Photo 6: Pond 1, water treatment system in the CONEX boxes (center left)

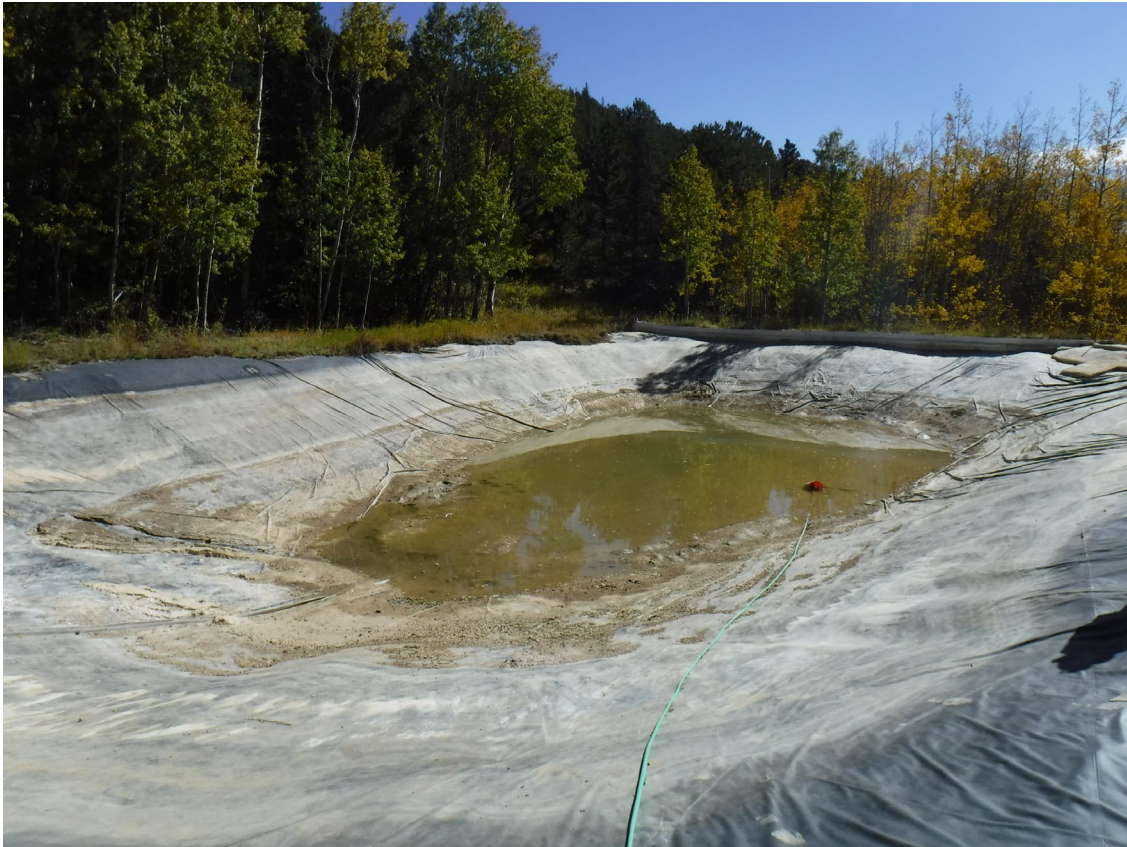


Photo 7: Pond 2



Photo 8: Approximate location of the snowshed to be built and new water treatment system location