

STATE OF  
COLORADO

Lennberg - DNR, Patrick &lt;patrick.lennberg@state.co.us&gt;

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## Grand Island's MLRB Third Quarter 2024 Report

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**Daniel Takami** <danieltakami@gmail.com>

Mon, Sep 30, 2024 at 12:53 PM

To: Patrick Lennberg - DNR <patrick.lennberg@state.co.us>, Sergio Rivera <sergio.rivera@novametallix.com>, Je'an-Paul Brewer <jpbrewer@nedmining.com>, Richard Mittasch <rmittasch@nedmining.com>, Brooke Molson Moran <bmolsonm@g.emporium.edu>

Patrick,

Enclosed is our board mandated quarterly report for the third quarter 2024. Please let me know if you have any questions.

**Daniel J. Takami**

President, Sustainable Metal Solutions, LLC

President, Grand Island Resources, LLC

[danieltakami@gmail.com](mailto:danieltakami@gmail.com)

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**MLRB - THIRD QUARTER 2024 REPORT - Signed.pdf**  
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**MINED LAND RECLAMATION BOARD  
BOARD ORDER FILE NO. M-1977-410, MV-2021-017  
QUARTERLY REPORT  
THIRD QUARTER 2024  
GRAND ISLAND RESOURCES LLC  
CROSS AND CARIBOU MINES  
NEDERLAND, COLORADO**

**PREPARED BY:  
GRAND ISLAND RESOURCES LLC  
CROSS AND CARIBOU MINES  
4415 CARIBOU ROAD  
NEDERLAND, CO 80466**

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## 1. CERTIFICATION

Name and Location of Project:

Grand Island Resources, LLC

Cross and Caribou Mines

4415 Caribou Road

Nederland, CO 80466

Operator:

Name: Daniel Takami – President Grand Island Resources

Address: 4415 Caribou Road, Nederland, CO 80466

## 2. INTRODUCTION

On February 18, 2022 the Colorado Mined Land Reclamation Board (Board) issued to Grand Island Resources LLC (Operator) its Findings of Fact, Conclusions of Law and Order on the matter of Notice of Violation No. MV-2021-017 brought before the Board by the Division of Reclamation, Mining & Safety (DRMS) on December 15, 2021 indicating possible violation by the Operator, Civil Penalties, Cease and Desist Order and Corrective Actions for Failure to Minimize Disturbances to the Prevailing Hydrologic Balance, File No. M-1977-410.

During that session, the Board concluded that the Operator was in violation of section 34-32-116(7)(g), C.R.S. and Rule 3.1.6(1) for its failures to minimize disturbances to the prevailing hydrologic balance of the affected land and of the surrounding areas and to the quality of water in surface systems during the mining operation and during reclamation. The Operator shall Cease and Desist any further activities underground, except for those activities approved by the Division, in writing, as necessary to comply with the conditions of the Order, protect water quality, prevent damage to off-site areas, complete reclamation, or to protect public health and safety, until all the corrective actions have been resolved to the satisfaction of the Division.

The Board imposed against the Operator the following CORRECTIVE ACTIONS:

- 1. *File a Technical Revision by February 28, 2022, to modify the water management and treatment program for the site to sufficiently address all water quality issues and provide a surface water and groundwater monitoring program that meets all applicable requirements of Rules 3.1.6, 3.1.7, 6.33, and 6.3.4. The Technical Revision shall be approved by the Division within 60 days of receipt, by April 28, 2022.***
- 2. *Submit, within 30 days of the effective date of this Order, an interim financial warranty in the amount of \$ 162,841.00 to operate any necessary water treatment system at the site (based on an estimated cost of \$6,785 per month over a 2-year period).***
- 3. *Submit, by the end of every calendar quarter, beginning with the first quarter of 2022, a written report outlining the activities undertaken at the site during the current quarter and any activities planned for the next quarter to ensure compliance with section 34-32-116(7)(g), C.R.S. and Rule 3.1.6(1). The quarterly reports shall also summarize any actions or findings of the Water Quality Control Division of the Colorado Department of Public Health and Environment regarding the site discharge permit, that were taken during the current quarter. The Operator shall submit the quarterly reports until the Division issues a written notice to Operator indicating that the reports are no longer necessary; and***
- 4. *Appear at the Board's December 2022 meeting to provide a status update on the corrective actions required by this order.***

### 3. MLRB ORDER

The Board found the Operator in violation of section 34-32-116(7)(g), C.R.S. and Rule 3.1.6(1).

#### 3.1. CEASE AND DESIST – UNDERGROUND ACTIVITIES

**BOARD ORDER:** The Operator shall Cease and Desist any further activities underground, except for those activities approved by the Division, in writing, as necessary to comply with the conditions of the Order, protect water quality, prevent damage to off-site areas, complete reclamation, or to protect public health and safety, until all of the corrective actions have been resolved to the satisfaction of the Division.

**OPERATORS ACTIONS:** The Operator have taken the following remedial actions:

##### 3.1.1. Underground Exploration and Ore Production Activities

The operator stopped all activities on November 30, 2021.

##### 3.1.2. DRMS Approved Activities

On December 21, 2021, the Operator requested, in written form, approval from DRMS to conduct specific underground activities considered by the Operator to be most pressing to comply with the intent of the Cease-and-Desist Order. Table 3.1.2.1 below provides a status of Approval and Physical Progress on requested activities by GIR to DRMS. Not all requested activities were initially approved by the DRMS; the Operator provided additional information and clarifications at the request of DRMS; the approval dates for the activities are reflected on the Table.

**TABLE 3.1.2.1 DRMS Approved Activities and Progress Report**

Priority	Location	Activity	Final Approval by DRMS	Progress (% complete)
Priority 1	Cross Mine	1.1.1. Cross Discharge lines installations. The scheduled installation of replacement water discharge lines must continue in the Cross Mine to connect underground drainage system to prevent the mine from flooding. Should flooding occur, ground water would report to the surface through the Cross Mine Adit in an uncontrolled fashion directly to the environment.	22-Dec-21	100.0%
		1.1.2. Refuge Chamber Construction. Construction of an MSHA compliant safety refuge toward the back of the Cross tunnel. This is a critical activity and essential for operations associated with water management (pumps, pipelines, utilities).	22-Dec-21	35.0%
		1.1.3. Utilities Installation for Safety and Operations. (Discharge, Compressed Air, Ventilation, Power and Water supply). Replacement of dated infrastructure (compressed air, water, and electrical lines) which must be installed such that mine dewatering pumps and ventilation systems are operational.	29-Dec-21	100.0%
		1.1.4. Auxiliary Fan installations. The ventilation system is a critical safety requirement for personnel attending and maintaining the pumping systems; these systems must be operational prior to the construction of water management sumps and for any associated activities.	29-Dec-21	100.0%
		1.1.5. Ground support installation. All areas leading to the mine pumping sites must be secured, bolted, and must comply with MSHA guidelines for safe personnel access.	29-Dec-21	100.0%
		1.1.6. Freeze Prevention Program. The groundwater conveyance systems must be insulated to prevent freezing of pipes and equipment and appurtenant facilities such that the water	22-Dec-21	100.0%

Priority	Location	Activity	Final Approval by DRMS	Progress (% complete)
		conveyance systems remain operational during the winter months.		
		1.1.7. Pond 1 Diversion Pipeline. A pipeline is to be installed and connect to the pipeline between pond 3c and pond 1. This pipeline can direct water flows from the caribou mine into the cross mine for increased attenuation during peak run-off and prevent overtopping of pond 1.	14-Apr-22	100.0%
		1.1.8. Cross Snowshed Rehabilitation. The 50-year old Cross Snowshed is in disrepair and must be rehabilitated for safety reasons.	Incidental to Cross Portal Rehabilitation	70.0%
	Caribou Mine/Idaho Tunnel	1.2.1. Construction of Sediment Control Structures. Solids removal from groundwater within the mine workings prior to discharge to the sediment control ponds is critical for optimizing the performance of the settling ponds. The construction of a Cofferdam and Check dams in the Idaho tunnel is critical for water quality compliance. These activities include the extension of piping systems into the pumping areas.	22-Dec-21	100.0%
		1.2.2. "A.75" Sediment Control Sump Rehabilitation. Removal of sediment accumulated in the clarifying sump is a required O&M part of the system; GIR is planning to relocate the existing pump further into the sump to optimize sump storage capacity, an access walkway must be constructed to ensure the safety of maintenance personnel.	22-Dec-21	65.0%
		1.2.3. Freeze Prevention Program. The groundwater conveyance systems must be insulated to prevent freezing of pipes and equipment and appurtenant facilities such that the water conveyance systems remain operational during the winter months.	22-Dec-21	100.0%



Priority	Location	Activity	Final Approval by DRMS	Progress (% complete)
Priority 2	Cross Mine	2.1.1. Cross Shaft and Old Access Road Surface Reclamation. Backfill, compact and recontour the terrain to reduce surface water inflow into the underground workings.	23-Jun-22	100.0%
		2.1.2. Apache/Potosi Sump Development at 'G' Station. Construction of a water sedimentation and clarification system at a midpoint within the tunnel. Construction of underground sumps is required such that water flows are collected and controlled. The sumps would serve as sediments settling structures such that heavily sediment laden water is not delivered to the treatment plant.	22-Dec-21	55.0%
	Caribou Mine/Idaho Tunnel	2.2.1. Personnel Siding Development along Railway and Equipment Corridors. Safety step-aways from moving equipment.	22-Dec-21	100.0%
Priority 3	Cross Mine	3.1.1. Water and sediment controls at fractured zones through the implementation of catchment areas in the tunnel ribs and shotcrete applications.	29-Dec-21	0.0%
		3.1.2. Winze Hoist and Winze Sump Rehabilitation. Essential activity required for access of lower mine levels for rehabilitation and water management.	18-Feb-22	20%
		3.1.3. Sublevel Sediment Sumps Rehabilitation and Development. Rehabilitation of currently flooded workings after groundwater table drawdown and release of groundwater via the water treatment system.	18-Feb-22	5%
	Caribou Mine/Idaho Tunnel	3.2.1. Sediment Control Pond Upgrades. Minor modifications to reduce the impact of freezing pipes and ice build-up.	29-Dec-21	20.0%

Priority	Location	Activity	Final Approval by DRMS	Progress (% complete)
	Site Wide	4. HYDROGEOLOGIC STUDY GIR intends to conduct a comprehensive Hydrogeologic Study of the Mining Complex. The Study is considered critical and essential for near future and long-term operations and water quantity and quality management. GIR anticipates that the Study will require access to the mining areas and activities that are not anticipated to result in high level of disturbance. GIR will provide, upon request, the Scope of Work for the Study. Approval of the Study is hereby requested.	Activity not Approved by DRMS	0.0%

## 3.2. CORRECTIVE ACTIONS

### 3.2.1. Water Treatment Modifications Technical Revision

On February 28, 2022, the Operator filed with DRMS a Request for Technical Revision (namely TR-10) in response to a Service of Notice of Violation/Cease and Desist Order (Number IO-211130-1) from Colorado Department of Public Health and Environment (CDPHE) dated November 30, 2021, in conjunction with Permit No. M-1977-410. On November 14, 2023, CDPHE issued a Compliance Order on Consent between the Division and Grand Island Resources LLC. The agreement resolves Grand Island Resources' alleged violations of the Colorado Water Quality Control Act ("Act") and a discharge permit.

TR-10 includes a detailed plan of action and current activities addressing surface water quality noted in the letter. The Technical Revision request describes measures that have been undertaken and are further proposed at the site to address water quality issues, including underground installations, a description of the new water treatment pilot system, results of the current system and a Ground Water Monitoring Plan (GWMP) as required by the NOV/C&D Order. TR-10 was approved by DRMS on April 28, 2022.

GIR initiated water sampling campaigns for groundwater, surface water and mine effluent (pre-treatment) in compliance with TR-10 mandates in May of 2022. At the time of issuance of this Quarterly Report, the Operator has collected and has laboratory analyzed 21 contiguous months of site waters, from May 2022 through January of 2024. Per DRMS accepted modification to the sampling frequency, GIR currently collects compliance samples once per quarter, samples for the third quarter of 2024 were collected by GIR on September 23, 2024 based on TR-15 approved by DRMS on September 12, 2024. GIR has filed test results to DRMS via quarterly reports in accordance with TR-10 mandates and granted extensions thereof.

On January 31, 2024, GIR submitted to DRMS a request to Modify Water Sample Collection Frequency and Locations, Identified as Technical Revision 14 (TR-14), as follows:

#### **Adjustment to Sampling Frequency**

The Operator requests that the current sample collection is adjusted from Monthly Sampling to Once per Quarter Sampling.

#### **Adjustment to Sampling Points**

The Operator requests that the current 7 sample collection points (3 groundwater wells [Cross, Caribou and Compliance], 2 mine effluent points [Cross and Caribou Portals] and 2 surface water stations [one upstream

and one downstream of the mine site], are adjusted to a single sample point for the site located at the Compliance Well.

On February 5, 2024, DRMS issued to GIR a partial approval of TR-14 addressing the request to change the sampling frequency at the site from monthly to quarterly. DRMS did not approve the request to reduce the number of sampling locations from seven (7) locations to one (1) location.

As a result of TR-14 partial approval, GIR did not collect samples for the months of April and May 2024. The sample collected on June 18, 2024, will serve as the sample for the Second Quarter 2024.

On January 31, 2024, GIR submitted to DRMS a request to Modify Water Sample Collection Frequency and Locations, Identified as Technical Revision 14 (TR-14), as follows

On August 27, 2024, GIR submitted to the Division of Reclamation, Mining and Safety (Division/DRMS) a request for Technical Revision 15 (TR-15) to reduce the analyte list for surface water, mine effluent and groundwater samples collected on a quarterly basis at the Cross Gold Mine.

On September 10, 2024, DRMS issued to GIR a Preliminary Adequacy Review; Technical Revision (TR-15) – Request to Reduce the Surface Water, Mine Effluent and Groundwater Sampling Analyte List; indicating that the application for TR-15 may be deemed inadequate and denied unless the following item is addressed to the Division’s satisfaction.

1. Please provide updated tables for Surface Water and Groundwater and Effluent Testing Parameters that reflect what the Operator would be analyzing samples for once the requested reduction of analytes is approved.

On September 11, 2024, GIR provided DRMS with the requested tables for Surface Water and Groundwater and Effluent Testing Parameters that reflect what the Operator would be analyzing samples for once the requested reduction of analytes is approved.

On September 12, 2024, the Division approved TR-15.

### 3.2.2. Financial Warranty to Operate the Water Treatment System

On March 16, 2022, the Operator filed with DRMS a FINANCIAL WARRANTY, CHECK FOR DEPOSIT IN THE STATE TREASURY Form, Check No. 125 for \$162,841.00 (One Hundred and Sixty-Two Thousand Eight Hundred and Forty-One Dollars); the check was deposited by the Operator on March 21, 2022.

On March 21, 2022, the Operator issued to DRMS a check for \$5,000.00 as payment to the Board Ordered Financial Fine for the violations.

On June 13, 2022, GIR submitted to the Division of Reclamation, Mining and Safety (Division) check #42 for the amount \$ 18,098.00 to cover the increase of the Financial Warranty for the permit to \$546,751.00, in accordance with Rule 4.2.1 and C.R.S. 34-32-117. GIR are considered fully bonded for this site at \$546,751.00.

### 3.2.3. Written Quarterly Report

GIR submitted to the Board the First Quarter 2024 Report on March 29, 2024. On April 3, 2024, Mr. Patrick Lennberg – DRMS Environmental Specialist indicated via email to GIR that the letter had been uploaded to the permit file.

The Second Quarter 2022 Report was issued to the Board by GIR on July 12, 2022.

The Third Quarter 2022 Report was issued to the Board on October 12, 2022.

The Fourth Quarter 2022 Report was issued to the Board on January 16, 2023.

The First Quarter 2023 Report was submitted to the Board on April 7, 2023.

The Second Quarter 2023 Report was submitted to the Board on June 28, 2023.

The Third Quarter 2023 Report was submitted to the Board on October 10, 2023.

The Fourth Quarter 2023 Report was submitted to the Board on December 29, 2023.

The First Quarter of 2024 Report was submitted to the Board on March 29, 2024.

The Second Quarter 2024 Report was submitted to the Board on June 28, 2024.

This document constitutes the Third Quarter 2024 Board Report

The Quarterly Reports are to be submitted to the Board no later than the 30<sup>th</sup> day of the last month of the quarter; to comply with the requirement, GIR submits this report with the Laboratory Data available at this time; and, therefore, the DMR cover letters from the Water Treatment Plant Effluent (Outfall 001) corresponding to the months of August and September 2024 are not included. GIR will include the missing data in the next Quarterly Report.

#### 3.2.4. Appear Before the MLRB – December 2022

GIR appeared before the MLR Board on January 18, 2023. GIR presented testimony to the Board and requested to lift the Cease-and-Desist Order put into place during the February 2022 Board hearing for violation M2021-017. On March 13, 2023, the signed Board Order was issued which lifted the Cease-and-Desist Order on the site.

In January 2023 GIR withdrew the appeal of the Division's determination that the Cross Gold Mine was a designated mining operation (DMO). During the January Board Hearing the due date for submitting the DMO conversion application was set to July 17, 2023, 180 days from the hearing date. The request for a one-year extension is the maximum allowed by Rule 7.2.3(2)(c). The extension request was approved by DRMS on March 1, 2023, which included several stipulations including Stipulation #6 states the Operator will continue to provide quarterly reports by the end of every calendar quarter, a written report outlining the activities undertaken at the site during the current quarter and any activities planned for the next quarter to ensure compliance with section 34-32-116(7)(g), C.R.S. and Rule 3.1.6(1). Per the DMO stipulation, GIR submitted to DRMS a DMO Progress Report on August 28, 2023.

On December 22, 2023, GIR requested a one-year extension for the filing of Designated Mining Operation (DMO) application. A Formal Public Hearing before the Board was scheduled for the Board meeting of January 17-18, 2024. On January 17, 2024, the Board granted GIR's request extending the DMO application filing by 365 days.

## 4. CDPHE WATER QUALITY CONTROL DIVISION

Pursuant to Paragraph 24 of CDPHE-WQCD Notice of Violation/Cease and Desist Order Number IO-211130-1 dated November 30, 2021 (“Order”), as modified by correspondence with the Division. Grand Island Resources (“GIR”) has provided Progress Reports accordingly. Salient points are provided below.

### 4.1. NO WATER QUALITY DISCHARGE VIOLATION DURING THE QUARTER

Since the end of March 2024, Mr. John Rinko, Jr. has overseen the operation, calibration, and optimization of the water treatment system at GIR facilities.

Filings with CDPHE indicate that all compliance samples tested during the third quarter of 2024 meet permit discharge standards. Laboratory test results for the second sample of the month of September 2024 and, the corresponding discharge monitoring cover letter are not available at the time of preparation and submittal of this report; GIR will include the months of August and September 2024 results in the Fourth Quarter 2024 Report to the Board.

Copies of the Monthly Report Cover letters (DMRs) submitted by Mr. Rinko to CDPHE for the months of June and July 2024 are attached as Appendix A.

### 4.2. ACTIVITIES COMPLETED AS OF SEPTEMBER 30, 2024.

- 4.2.1. GIR has submitted DMRs for the months of March through December of 2022; January through December of 2023; and January, February, March, April, May, June, and July of 2024. No water quality compliance parameters exceedances have been detected in samples collected twice per month from the Water Treatment Discharge. (Compliance Outfall 001).
- 4.2.2. As indicated on Table 3.2.2.1. several of the DRMS approved activities have been completed. GIR continues with implementation of the approved measures in accordance with the Board Order and DRMS approvals.
- 4.2.3. Automated water levels data have been and continue to be recorded in groundwater wells and the Cross Winze. Discharge Water Flows at Outfall-001 are also being recorded on a continued basis.
- 4.2.4. During the winter of 2022-2023, Pond 2 was utilized to contain the back flush water and sediment from the water treatment plant. The Pond was used because the holding tank previously used was freezing and did not have capacity to make it through the winter. 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 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.
- 4.2.5. Sediment management at all locations underground on an on-going basis, and completion of A75 sump.
- 4.2.6. Technical Revision (TR-12) Install New Snowshed and Relocate Water Treatment System, submitted to DRMS by GIR was approved by the Division on June 15, 2023.
- 4.2.7. Technical Revision (TR-13) Update Field Blank Sample Collection Frequency, submitted by GIR to DRMS by GIR was approved by the Division on June 15, 2023.

- 4.2.8. As indicated under Section 3.2.1. of this report, on February 5, 2024, DRMS issued to GIR a partial approval of TR-14 addressing the request to change the sampling frequency at the site from monthly to quarterly. As a result of TR-14 partial approval, GIR collected a single round of samples from the Second quarter 2024 on June 18, 2024, the samples were collected in accordance with TR-10 SOPs.
- 4.2.9. On March 7, 2024, GIR issued a letter to DRMS informing the Division that, due to 2023/2024 winter climactic conditions (freezing and snow accumulation over the Caribou/Idaho Tunnel effluent management ponds) on site, GIR had extended the pipeline from effluent to the outlet of Pond 3C, thereby by-passing the frozen Ponds 3a, 3b and 3c, on a temporary basis. On March 8, 2024, DRMS indicated that a copy of the letter had been placed into the permit file.
- 4.2.10. The Cross Gold Mine was inspected by Mr. Patrick Lennberg, Environmental Protection Specialist, Division of Reclamation, Mining and Safety (Division/DRMS). The inspection was completed on August 30, 2024, as part of the Division's increased inspection frequency, the permit is to be inspected on a quarterly basis. No problems or possible violations were noted during the inspection.
- 4.2.11. On August 27, 2024, GIR submitted to the Division of Reclamation, Mining and Safety (Division/DRMS) a request for Technical Revision 15 (TR-15) to reduce the analyte list for surface water, mine effluent and groundwater samples collected on a quarterly basis at the Cross Gold Mine. TR-15 was approved by the Division in September 12, 2024

### 4.3. THIRD QUARTER OF 2024 PLANNED ACTIVITIES

Activities planned for Second Quarter of 2024, were not performed by GIR due to staffing and financial constraints; the planned activities for the Third Quarter of 2024 remain unchanged from the First Quarter, as follows:

- 4.3.1. Continuing with Refuge Chamber construction.
- 4.3.2. Continuing with Snowshed rehabilitation.
- 4.3.3. Continuing with sediment management at all locations underground.
- 4.3.4. Continuing with Apache/Potosi sump development at "G" Station.
- 4.3.5. Continuing with Winze rehabilitation.
- 4.3.6. Continuing with sublevel sump rehabilitation.

## 5. CLOSING

Grand Island Resources LLC, Directors, Management and Technical Personnel appreciate the opportunity to submit this Quarterly Report to the Mined Land Reclamation Board in compliance with the Board's February 18, 2022, and post- Cease and Desist removal and March 1, 2023, DMO extension stipulations. Specifically, to the Order: ***Submit, by the end of every calendar quarter, beginning with the first quarter of 2022, a written report outlining the activities undertaken at the site during the current quarter and any activities planned for the next quarter to ensure compliance with section 34-32-116(7)(g), C.R.S. and Rule 3.1.6(1).***

Grand Island Resources LLC staff continue to work diligently addressing the temporary complications faced by the operation. The Corporation continues to invest the necessary financial and personnel resources required to implement measures to ensure that the violations cited by the Board are remedied and that they do not occur in the future.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "D. J. Takami".

Daniel Takami  
President, Grand Island Resources LLC

APPENDIX A  
DMR Monthly Report Cover letters



Rinko, LLC  
12081 W. Alameda Pkwy. #254  
Lakewood, Colorado 80228

E-Mail: [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com)

July 28, 2024

Permits and Enforcement Section  
Water Quality Control Division  
Colorado Department of Public Health  
and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80246

**Subject:** Cross and Caribou Mines  
Discharge Permit #CO-0032751  
June 2024 Discharge Monitoring Reports

To whom it may concern:

The June 2024 Discharge Monitoring Reports (DMRs) were submitted on July 28, 2024 for the above referenced site. In June and the second quarter of 2024 there were no exceedances of the permit limits at Outfall 001.

Potentially dissolved silver and potentially dissolved cadmium were reported as below detection limit (B) as the permit limit is lower than the Reporting Limit (RL) from the analytical laboratory used, Eurofins Denver. The laboratory's Method Detection Limits (MDLs) for these two parameters were significantly less than the RLs, permit limits, and the Practical Quantitation Limits (PQLs). The analytical results were trace values slightly above the MDL levels.

The two quarterly DMRs for low level mercury (LLHg) and chronic whole effluent toxicity (WET) testing were submitted for the second quarter 2024. There was no statistically significant toxicity detected in the discharge water and the effluent passed WET testing requirements. LLHg was detected at 1.6 nanograms per Liter (ng/L) or 0.0016 ug/L, barely above the method detection limit of 0.5 ng/L. This value is consistent with past results.

Please feel free to contact me at (303) 601-9230 or at [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com) with any questions, comments, or additional requests regarding this DMR submittal.

Sincerely,



John Rinko, Jr.  
Principal

Rinko, LLC  
12081 W. Alameda Pkwy. #254  
Lakewood, Colorado 80228

E-Mail: [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com)

August 27, 2024

Permits and Enforcement Section  
Water Quality Control Division  
Colorado Department of Public Health  
and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80246

**Subject:** Cross and Caribou Mines  
Discharge Permit #CO-0032751  
July 2024 Discharge Monitoring Report

To whom it may concern:

The July 2024 Discharge Monitoring Report (DMR) was submitted on August 27, 2024 for the above referenced site. In July 2024 there were no exceedances of the permit limits at Outfall 001.

Potentially dissolved silver and potentially dissolved cadmium were reported as below detection limit (B) as the permit limit is lower than the Reporting Limit (RL) from the analytical laboratory used, Eurofins Denver. The laboratory's Method Detection Limits (MDLs) for these two parameters were significantly less than the RLs, permit limits, and the Practical Quantitation Limits (PQLs). The analytical results were non detect at the MDL levels.

Please feel free to contact me at (303) 601-9230 or at [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com) with any questions, comments, or additional requests regarding this DMR submittal.

Sincerely,



John Rinko, Jr.  
Principal

Rinko, LLC  
12081 W. Alameda Pkwy. #254  
Lakewood, Colorado 80228

E-Mail: [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com)

September 28, 2024

Permits and Enforcement Section  
Water Quality Control Division  
Colorado Department of Public Health  
and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80246

**Subject:** Cross and Caribou Mines  
Discharge Permit #CO-0032751  
August 2024 Discharge Monitoring Report

To whom it may concern:

The August 2024 Discharge Monitoring Report (DMR) was submitted on September 28, 2024 for the above referenced site. In August 2024 there were no exceedances of the permit limits at Outfall 001.

Potentially dissolved silver and potentially dissolved cadmium were reported as below detection limit (B) as the permit limit is lower than the Reporting Limit (RL) from the analytical laboratory used, Eurofins Denver. The laboratory's Method Detection Limits (MDLs) for these two parameters were significantly less than the RLs, permit limits, and the Practical Quantitation Limits (PQLs). The analytical results were non detect at the MDL levels.

Please feel free to contact me at (303) 601-9230 or at [johnrinko@yahoo.com](mailto:johnrinko@yahoo.com) with any questions, comments, or additional requests regarding this DMR submittal.

Sincerely,



John Rinko, Jr.  
Principal