



STATE OF  
COLORADO

Eschberger - DNR, Amy <amy.eschberger@state.co.us>

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## Grand Island Resources Progress Report

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

Fri, Feb 11, 2022 at 4:13 PM

To: "Eschberger - DNR, Amy" <amy.eschberger@state.co.us>, "Cunningham - DNR, Michael" <michaela.cunningham@state.co.us>, "Daniel V. Pollock" <Dpollock@nedmining.com>, Sergio Rivera <sergio.rivera@novametallix.com>, Richard Mittasch <rmittasch@nedmining.com>

Amy,

Enclosed is our most current progress report. If you have any questions, please let me know. Have a great weekend.

Respectfully,

***Daniel J. Takami***

President, Sustainable Metal Solutions, LLC

President, Nederland Mining Consultants Inc.

President, Grand Island Resources, LLC

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501.256.4444



**Signed Progress Report 11 Feb 2022.pdf**

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# GRAND ISLAND RESOURCES

4415 Caribou Rd,  
Nederland CO, 80466

Division of Reclamation, Mining & Safety  
c/o Ms Amy Eschberger  
1001 E 62nd Ave,  
Room 215  
Denver, CO 80216

February 11, 2022

**RE: Cross Gold Mine, Permit No. M-1977-410, Progress on GIR's proposed activities aimed to comply with the Cease-and-Desist order issued by the Board on December 15, 2021; GIR Proposed to DRMS (letter dated December 21st, 2021); follow up written and verbal communication between DRMS and GIR including a Site Visit by DRMS.**

Ms Eschberger,

The attached Table provides and update on physical progress of the approved activities Status as of February 11, 2022.

If you have any questions, please contact me.

Respectfully,

Daniel J. Takami  
President Grand Island Resources LLC  
[danieltakami@gmail.com](mailto:danieltakami@gmail.com)  
501.256.4444

RE: Cross Gold Mine, Permit No. M-1977-410, Progress on GIR's proposed activities aimed to comply with the Cease-and-Desist order issued by the Board on December 15, 2021 and Proposed to DRMS by GIR letter dated December 21<sup>st</sup>, 2021; and, Follow up written and verbal communication between DRMS and GIR including a Site Visit by DRMS  
Status as of February 11th, 2022

Priority	Location		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	55.0%
		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	95.0%
		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 conveyance systems remain operational during the winter months.	22-Dec-21	75.0%
	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	70.0%
		1.2.2. "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	30.0%
		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	65.0%
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 working. A detailed reclamation plan and design is currently being prepared for submittal under separate cover to DRMS	Activity not Approved by DRMS	0.0%
		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	35.0%
	Caribou Mine/Idaho Tunnel	2.2.1. Personnel Siding Development along Railway and Equipment Corridors. Safety step-aways from moving equipment.	22-Dec-21	65.0%
Priority 3	Cross Mine	3.1.1. Required infrastructure for safe construction and operation of water systems controls. Infrastructure construction required for control of fracture flow discharges reporting to the underground workings. The infrastructure is required to minimize suspended solids reporting to the treatment system and includes pipe installation at ground level where pre-mining construction will occur on the haulageway. This will protect the drainage ditch from collecting and discharging sediment.	Activity not Approved by DRMS	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.	Activity not Approved by DRMS	0.0%
		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.	Activity not Approved by DRMS	0.0%
	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	15.0%
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%