

May 28, 2025

Richard Mittasch  
Grand Island Resources LLC  
12567 West Cedar Dr.  
Lakewood, CO 80228

**RE: Additional Information Required; 1<sup>st</sup> Quarter 2025 Groundwater, Mine Effluent, Surface Water and Treatment Plant Effluent Quality Report, Cross Gold Mine, Permit No. M-1977-410**

Dear Mr. Mittasch,

On May 1, 2025, the Division of Reclamation, Mining and Safety (Division/DRMS) received the 1st Quarter 2025 Groundwater, Mine Effluent, Surface Water and Treatment Plant Effluent Quality Report for the Cross Gold Mine, Permit No. M-1977-410. After review of the submission the Division has additional items that need to be addressed or clarified.

1. Please provide the details of all of the monitoring well volume calculations used to determine the purge volume of one casing volume. The Division calculated higher volumes than those on the field sheets for some of the monitoring wells.
2. The Caribou Well is sampled from a faucet located in the garage of the office building. Please provide a summary along with volume calculations for the plumbing between the well and the faucet. This volume needs to be included with well volume calculated in item #1 to accurately calculate the required volume that needs to be purged during each sampling event.
3. Please provide the effluent flow rate for the Caribou and Cross portals. Flow rates should be included on future field sheets and in the appropriate narrative section of the quarterly reports.
4. The water treatment plant treats water from mine effluent from the Cross and Caribou mine portals prior to discharging to the treated effluent at the approved discharge location. The submitted discharge monitoring reports indicate that the treated water is below the permitted limits. Effluent samples, prior to treatment, are compared to appropriate groundwater standards which do not correlate to discharge standards. Please provide a discussion regarding effluent water quality entering the treatment system, what the treatment system is removing, and the primary method of how those key constituents are being removed to meet the approved discharge requirements at the permitted discharge location.



Please respond to these items within 30 days of the date on this letter, by **June 27, 2025**. The Division reserves the right to further supplement this document with additional items and details as necessary

If you need additional information, please contact me by email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us).

Sincerely,



Patrick Lennberg  
Environmental Protection Specialist

cc: Jared Ebert; DRMS

ec: Richard Mittasch, Grand Island Resources LLC, [Rmittasch@nedmining.com](mailto:Rmittasch@nedmining.com)  
Je'an-Paul Brewer, Grand Island Resources LLC, [jpbrewer@nedmining.com](mailto:jpbrewer@nedmining.com)