



December 9, 2022

Daniel Takami  
Grand Island Resources LLC  
12567 West Cedar Dr.  
Lakewood, CO 80228

**Re: Additional Information Required No. 2, 3<sup>rd</sup> Quarter 2022 Groundwater and Surface Water Monitoring Report; Cross Gold Mine, Permit No. M-1977-410**

Dear Mr. Takami:

On December 1, 2022, the Division of Reclamation, Mining and Safety (Division/DRMS) received your responses to the Division's request for additional information dated November 8, 2022 for the 3<sup>rd</sup> Quarter 2022 Groundwater and Surface Water Monitoring Report for the Cross Gold Mine. After review of the submission the Division has additional items that need to be addressed or clarified.

**General**

1. In the Operator's response to the Division's question #1, it is stated duplicate samples for groundwater and surface water locations were collected in September and effluent duplicate samples will be collected beginning in October. In the narrative sections for groundwater and surface water sampling it does not mention that duplicate samples were collected. Additionally, the only way the Division was able to verify that duplicate samples were collected was to review the field sheets. For future reporting, please include a narrative section that explains where duplicate and other QA/QC samples were collected. Finally, update the September sample result tables to include the results of the duplicate sample and clearly state what the parent sample for the duplicate was.
2. Rinsate samples are collected to assess the adequacy of the decontamination process. If disposable one-time use or dedicated equipment is used to collect water samples then a rinsate sample is not needed but the field sheets should reflect the use of such equipment. However, if sampling equipment, including but not limited to buckets or dippers, are used on multiple sites then a rinsate is warranted. As stated above, a section in future reports should be included to describe which QA/QC were collected and an explanation why other samples were not collected or needed. Please note sample result tables need to include the results of the QA/QC samples.



### **Groundwater**

3. The Division is seeking an explanation as to why the Winze groundwater elevation changes dramatically, from 9605' to 9667', between the August and September sampling events.

Please respond to these items within 30 days of the date on this letter. The due date is **January 8, 2023**. The Division reserves the right to further supplement this document with additional items and details as necessary.

If you need additional information or have any questions, please contact me by telephone at **303-866-3567 x8114**, or by email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us).

Sincerely,



Patrick Lennberg  
Environmental Protection Specialist

cc: Jared Ebert; DRMS

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