



July 24, 2024

Johan Van Huyssteen  
Cripple Creek & Victor Gold Mining Company  
P.O. Box 191  
Victor, CO 80860

**RE: Division Adequacy Review No. 2; Technical Revision 144 (TR-144) ECOSA Seepage Collection Improvements; Cresson Project; Permit No. M-1980-244**

Dear Johan Van Huyssteen,

On July 17, 2024, the Division of Reclamation, Mining and Safety (Division/DRMS) received your Adequacy Review Response to the above listed TR. After review of the submission the Division has the following list of items that need to be addressed to the Division's satisfaction.

1. The response to Adequacy Item 1 regarding collection area sizing and the commitment of maintaining a minimum of 2 feet of freeboard in the collection areas at any given time appears to be predicated on pumping each of the collection basins at a minimum of once every 12 hour shift. Given the design storm event, past experiences, site conditions and the location of the basins, the Division believes that the sizing is insufficient. Please revise the design specifications and construction information to support the storage of a minimum of 24-48 hours' worth of seepage from the identified source, combined with a 2-year, 24 hour storm plus a 10-year, 24 hour storm.
2. The response to Adequacy Item 2 regarding the pumping procedures in an effort to control spillage is insufficient. Mobilization of spill response equipment to construct an earthen berm around an unconfined spill on an unlined area without a tertiary containment mechanism cannot be relied upon. The Division will require, at a minimum, a constructed and bermed liner extension that feeds back into the pond that will serve as the pumping station to support dewatering efforts. In the revised design specifications please include details regarding the construction of the bermed and lined pump station of sufficient size to house the truck plus any and all pumping equipment, ensuring adequate secondary containment pursuant to Rule 6.4.21(7)(e and f) as well as Rule 7.3.1(3).
3. The "Liner Installation" section of the Seepage Collection Design Memorandum included in Exhibit 1 of the Adequacy Review Responses appears to contain a rough QA/QC information however does not contain adequate detail. Please provide a detailed Quality Assurance and Quality Control Plan



to be employed during the liner installation to ensure its effectiveness upon completion. In the plan please provide the manufacturers recommendations regarding the fuzing of liner joints, ensuring that a bonded adhesive is appropriate over the traditional machine welding techniques. Additionally, please provide a construction commitment to ensure liner construction is done during appropriate weather conditions per the manufacturer's recommendations.

4. Also, as part of the revised submission, please provide the Division with a detailed phased construction schedule, with notification commitments sufficient to allow the Division to perform incremental construction inspections and QA/QC checks pursuant to Rules 7.3.1 and 7.4.2.

This concludes the Division's Adequacy Review of TR-144. The Division reserves the right to further supplement this document with additional items and/or details as necessary.

The decision date for your application is set for **Friday August 23, 2024**. If additional time is needed to respond, an extension request must be received by our Office by the decision date. If on the decision date, outstanding adequacy items remain, and no extension request has been received, your revision may be denied and the file terminated.

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Patrick Lennberg".

Patrick Lennberg  
Environmental Protection Specialist

cc: Katie Blake, CC&V  
Anthony Matarrese, CC&V  
Johnna Gonzalez, CC&V  
Josh Adams, CC&V  
Elliott Russell, DRMS  
Zach Trujillo, DRMS  
Lucas West, DRMS  
Hunter Ridely, DRMS