



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

June 3, 2015

Mr. Jonathon Gorman
Cripple Creek & Victor Gold Mining Company
100 N. Third Street
P.O. Box 191
Victor, CO 80860

**Re: Project, Permit No. M-1980-244;
Technical Revision (TR-74) Preliminary Adequacy Review**

Dear Mr. Gorman:

On May 14, 2015 the Division of Reclamation, Mining and Safety received a request for a Technical Revision (TR-74) addressing the following:

SGVLF Toe Underdrain Pump-Back Modification

The submittal was called complete for the purpose of filing on May 14, 2015. **The decision date for TR-74 is June 15, 2015.** Please be advised that if you are unable to satisfactorily address any concerns identified in this review before the decision date, **it will be your responsibility to request an extension of the review period.** If there are outstanding issues that have not been adequately addressed prior to the end of the review period, and no extension has been requested, the Division will deny this Technical Revision (TR).

The following comments are based on the Division's review of the TR-74 Request for TR:

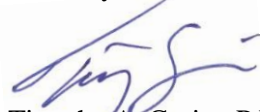
- 1) Drawings 30-800-19 and 60-800-20:
 - a. These drawings were submitted with a significantly reduced scale and are difficult to read. Please provide drawings at reasonable scale in accordance with Rule 6.2.1(2)(e).
 - b. No specific information could be discerned from these drawings regarding the pipeline between the pump station and the SGADR. Please provide drawings and specifications to ensure the Division the pipeline and pump are designed appropriately for the significant total dynamic head to be experienced by this system.
- 2) During the meeting with CC&V Projects and AMEC on March 11, 2015 the Division requested information be included in the TR addressing the pump-back system modifications that are not included in the current submittal. The Division requires the following information:
 - a. Total dynamic head hydraulic analysis of the pump-back system and pipe specifications to ensure the pipe has an adequate pressure rating. (*Note: Patrick Marley discussed this with me and assured me it would be included in the TR.*)



- b. A monitoring plan for the regular inspection of the pump-back ponds for the purpose of monitoring the integrity of the concrete, GCL and geomembrane liner.
 - c. A commitment to provide as-constructed and/or record drawings of the pump-back system as part of the SGVLF Phase I CQA certification report.
- 3) The Division does not expect significant sediment in the pump-back ponds from the underdrain system, but due to winds sediment will accumulate over time in these ponds. Please provide a maintenance summary that addresses sediment removal that will prevent damage to the proposed liner system.
- 4) The latest version of site specifications provided to the Division does not include specifications for any GCL product. Please provide a GCL specification applicable to the underdrain project.
 - a. This specification should be referenced on Drawing U100.

If you have any questions or need further information, please contact me at (303)866-3567 x8169.

Sincerely,



Timothy A. Cazier, P.E.
Environmental Protection Specialist

ec: Wally Erickson, DRMS
Amy Eschberger, DRMS
Elliott Russell, DRMS
DRMS file
Marc Tidquist, CC&V
Chris Hanks, CC&V