



## **Teller County Community Development Services**

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October 30, 2018

Justin Bills  
Katie Dehlin  
Senior Environmental Specialist  
Cripple Creek and Victor Gold Mining Company (CC&V)  
Box 191, Victor, CO 80860

**SUBJECT: Planning Review: Re. No Impact Technical Revision (Appendix A - 8.B) of Cripple Creek and Victor Gold Mining (CCV) Permit No. M-1980-244; Cripple Creek & Victor Gold Mining Company; Cresson Project; - TR #107 Arequa Gulch Phase II Solution Flow Modification Construction**

Dear Mr. Bills and Ms. Dehlin:

The Teller County Planning Department has completed its review of the Newmont Mining Corporation's (CC&V) Technical Revision TR # 107 – Arequa Gulch Phase II Solution Flow Modification Construction

1. Teller County understands that this TR is required to be submitted by DRMS.
2. TR #107 proposes three (3) modification options to better manage solution chemistry in order to achieve higher recovery at the Arequa Gulch (AG) Processing Facilities. If approved, the modification will improve gold recovery at the AG Valley Leach Facility (VLF) and Absorption Desorption Recovery (ADR). It is Teller County's understanding that this is a process improvement and enhancement that will not exceed the capability of the VLF or the ADR.
3. Per conversation with Justin Bills and Katie Dehlin, CC&V, on October 29, 2018, there are three (3) not four (4) **proposed** modifications to the AGVLF, AGADR and the Pregnant Solution Enhancement System (PSES) facilities. The modifications, #1, #2, and # 3, are distinct separate proposed modifications. CC&V will try # 1 first and progressively work to # 3 if necessary. All three proposed modifications are on liner and have no additional lighting associated with them. CC&V stated they would inform Teller County as to which modification proposal, if effective and once constructed, will be in place long term.
4. **Modification # 1:** This proposal will move the leach solution from the VLF to the ADR plant using **an existing pipe**. This modification involves pumping the barren solution from the E-Train to a stabilization tank at the Pregnant Solution Enhancement Solution (PSES) were slurried lime

will be added via pipe from the tank. From this point on the rest of the process remains unchanged from today.

**Modification # 2:** This modification proposal would move the leach solution using a new pipe to an existing stabilization tank where it will be mixed with slaked lime in order to increase the recovery. From there it will be routed to a new storage tank. The ore/lime mixture will be removed from the bottom of the tank and hauled by truck to both of the VLFs.

**Modification # 3:** This modification proposal will move the solution via gravity-fed pipe From Train A and B prior to entering the Clarifier at the PSES. The overflow will then be Gravity-fed into the stabilization tank while the underflow will be pumped into a solid thickener and then filter pressed.

5. Pursuant to Section 3, Mine Development Plan, Appendix A of the CCMOD “additional permitted uses” which includes activities (1) necessary for or accessory to the precious metal mining operation or (2) those that are compatible with the long-term precious metal mining of the area, shall also be considered permitted uses (“uses by right”):

*Section 3 of Appendix A of the CCMOD lists as a use by right, precious metal mining activities such as excavation, grading, loading, hauling, overburden placement, and other earth-moving operations. Aggregate extraction, screening, blending, storage, loading, hauling, dumping, and placement and comminution (crushing, grinding), screening, storing, blending, loading, conveying, slurrying, hauling, dumping, or otherwise removing earth materials and associated materials such as lime, cement, process bacteria, beneficiation and process chemicals, used in the course of preparing precious metal mined materials for subsequent operations.*

6. Teller County has reviewed TR 107 against the standards contained in Appendix A, CCMOD, sections 8.A and 8.B and finds that it is compliant with the section and that, additionally, the process as described is also listed as a ‘use by right’ inside the CCMOD pursuant to Section 3, Appendix A of the CCMOD.
7. Additionally, and as clarified by Justin Bills and Katie Dehlin during the October 29, 2018 phone call related to TR# 107, no additional lighting is associated with any of the modification proposals, and all activity regardless of the chosen modification will occur on existing liner facilities.
8. Teller County concurs with TR # 107 as written subject to the following conditions:
  - a) Inform the Teller County Planning Department as to which modification is chosen and whether anything changed in the chosen modification as contained in the proposal presented to us.
  - b) Per our verbal discussion on October 29, 2018, all activity regardless of the modification proposal chosen, will occur on the existing liner and will have no additional lighting associated with the modification.

If you have any questions, please contact me at (719) 686-5414 or email [williamsd@co.teller.co.us](mailto:williamsd@co.teller.co.us).

Respectfully,

  
Dan Williams  
The Teller County Planning Official

Cc: Lynda Morgan, CDSD Director  
Tim Cazier, DRMS