



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

Raymond Lazuk
Climax Molybdenum Company
Highway 91, Fremont Pass
Climax, CO 80429

Re: Climax Mine, Permit No. M-1977-493 Technical Revision Application TR-28

Raymond Lazuk:

On August 22, 2018, the Division received your Technical Revision application **TR-28** for the Climax Mine Permit No. **M-1977-493**, which is located in Summit County. The revision addresses the following items:

- *Update EPP, West Interceptor ditch repairs, relocate main entrance, 5-Dam Seepage Return Line phased realignment, misc. structure demolition.*

Preliminary review of the information received determined that the following items must be received before the Division can consider your application as being submitted and technical review can begin:

1. The entrance relocation project calls for using approximately 23,000 Cubic Yards of material sourced on site to fill the area over the east side channel. While the characterization tables are provided the specific data is not called out. Please clarify the source of the material and its corresponding geochemical data. If the specific location is not known, please provide the top three options for the source of material so that the data may be verified.
2. It is understood that the out slopes of the fill material will be completed with 3H: 1V slopes however there is no scale or annotations in the drawings and figures to confirm. Please specify grade of the fill material, as well as the depth and final grade of the earthen cover and topsoil that is to be placed on top of the fill.
3. The access road for the entrance relocation project will be constructed across a portion of the East Side Channel, which is a certified EPF. One of the figures depicts a culvert or conveyance structure to be installed in the channel, however no details were given in the narrative. Please provide details of the culvert including but not limited to; type of culvert to be used, length, diameter and slope of the culvert, as well as details on any structures constructed at the inlet to prevent flow bypass and details on the maintenance requirements. Please also include any hydrologic demonstrations required to illustrate that the size of culvert will be adequate to convey any potential flows in the ditch.



Please submit the requested information by the decision due date September 19, 2018 to allow sufficient time to review the information prior to the decision date of September 21, 2018. If more time is required, please submit a written extension request to the Division's Denver Office no later than September 19, 2018. If the required information or an extension request is not received by the above listed date your Technical Revision application will be denied and need to be re-submitted. If you have any questions, comments or concerns please feel free to contact me at the Division's Grand Junction Field Office, by phone at (970)-243-6368 or by email at lucas.west@state.co.us.

Sincerely,



Lucas West
Environmental Protection Specialist
Division of Reclamation, Mining and Safety

Ec: Ray Lazuk, Climax
Dianna Kelts, Climax
Eric Scott, DRMS