



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

Date: December 28, 2017

To: Tony Waldron, DRMS Minerals Program Manager

From: Jared Ebert, DRMS Environmental Protection Specialist

**RE: Colorado Rose Red Granite Quarry, DRMS Permit Number M-1978-332
Amendment No. 2 (AM02), Geotechnical Analysis Exhibit Review Assistance Request**

Mr. Waldron,

The Division received the above referenced application on December 15, 2017. The application was deemed complete for review on December 27, 2017. I will deem the application "Complex" in accordance with Rule 1.4.1(7) and will extend the decision date to March 27, 2018. The application proposes to expand the current 1-acre 110c mining operation to a 9.99-acre operation. The site currently consists of a quarried rock face with three underground mine openings extending into the mountain. Part of the AM02 application included a Geotechnical Analysis Exhibit (See Page 63 of Application). This exhibit includes an initial slope stability evaluation of the exterior rock faces the quarry. I would like to request the assistance of Zach Trujillo in the Coal Program to review the Geotechnical Analysis Exhibit for compliance with Rule 6.5, (1), (2) and (3). Specifically, I would request a review of the following:

1. In accordance with Rule 6.5(1), has the applicant provided an adequate geotechnical evaluation of all geologic hazards that have the potential to affect the current highwall and waste pile within the affected area?
2. In accordance with Rule 6.5(2) and (3), based on the analysis submitted, will the post-mine configuration of the highwall be stable, are the factors of safety acceptable and demonstrate that offsite areas will be protected both during and after mining?

I would request that Mr. Trujillo complete his review and provide me a review memo by January 26, 2018. Also, based on my initial review of the AM02 application, additional stability analysis will be required by the applicant for the site beyond what is currently submitted, pertaining to future surface quarry operations and the underground portion of the operation. If and when these analysis' is submitted I may request additional review by Mr. Trujillo.

EC: Wally Erickson, DRMS
Jim Stark, DRMS
Zach Trujillo, DRMS

