



COLORADO
**Division of Reclamation,
Mining and Safety**
Department of Natural Resources
1313 Sherman Street, Room 215
Denver, Colorado 80203

October 25, 2021

Ms. Kate Garufi via email

Katherine.Garufi@HDRInc.com

Re: Third Review of a 112 Construction Materials Reclamation Permit Amendment Application Package AM07, Aggregate Industries – Morrison Quarry, Permit M1973-021

Ms. Garufi,

The Division of Reclamation, Mining, and Safety has completed its second adequacy review of your 112 construction materials reclamation permit amendment application. The application was called complete for review on November 13, 2020. All comment and review periods began on November 13, 2020. **The decision date for this application is currently set for November 12, 2021. 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 application. In order to allow the Division adequate time to review your responses to any adequacy issues, please submit your adequacy responses to the Division no later than one week prior to the decision date (November 5, 2021).**

Significant progress was made in the last submittal, however, there are a few remaining items that will require modification and/or clarification of the existing information.

Please note that any changes or additions to the application on file in our office must also be reflected in the public review copy, which has been placed with the Jefferson County Clerk and Recorder.

Item 1

As discussed in our phone call on Oct 15, please modify the AM07 mining plan exhibit for elevations below 6,600 feet to specify a 40H:40V bench configuration. This change will need to be reflected throughout the mining plan text as appropriate, the mining plan maps, reclamation plan maps, all cross sections, and Observational Approach flow chart, as appropriate at this time. Table E1 Total Fill volumes and the subsequent reclamation costs will also need to be modified as needed for consistency.

A subsequent request to modify the mining and reclamation plans as appropriate for a 40H:60V bench configuration for elevations below 6,600 feet may be submitted through the technical revision process for DRMS approval if future geotechnical data and field conditions support this modification.

Item 2

Please add the appropriate contours/bench configuration, and description in the legend for areas already mined in the mining and reclamation plan maps.



Item 3

Please add a section for QA/QC testing under the reclamation plan scope of work to detail how testing and documentation will occur during reclamation to verify the criteria listed for soil placement, compaction and moisture testing during reclamation of the South and North Quarries. This item should also be included in the direct costs portion of the Reclamation Estimate.

Item 4

DRMS understands that significant additional investigation and characterization will be required to provide the construction design and cost for the long-term horizontal drain currently proposed in the Dewatering section of the reclamation plan. Therefore, DRMS will allow a maximum of 24 months as a condition of approval for AM07 to gather this data and submit a complete design and cost estimate to DRMS as a technical revision. The permittee may also submit a permit revision that would eliminate the requirement for installation of the horizontal drain as currently proposed within the 24 month timeframe. Please acknowledge this requirement.

Item 5

Please eliminate the sentence “Planned mining activities in the South Quarry are expected to encounter and impact groundwater.” from the second paragraph of the Site Hydrology Overview.

Item 6

DRMS notes that structure agreements have been provided to the listed structure owners, and that mining activity will not occur within 200’ of the structures as stated, other than the listed utility line near the south quarry.

Item 7

Please provide proof that all adequacy responses have been added to the public file for review with Jefferson County.

This concludes the Division’s preliminary adequacy review of this application. This letter shall not be construed to mean that there are no other technical deficiencies in your application. Other issues may arise as additional information is supplied. **Please remember that the decision date for this amendment application is November 12, 2021.** As previously mentioned, if you are unable to provide satisfactory responses to any inadequacies prior to this date, it will be your responsibility to request an extension of time to allow for continued review of this application. If there are still unresolved issues when the decision date arrives and no extension has been requested, the application will be denied. If you have any questions, please contact me at (303) 229-9414.

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric Scott", is written over the "Sincerely," line.

Eric Scott – Environmental Protection Specialist