

February 8, 2022

John Holliday  
Colorado Quarry I, LLC  
901 S County Road 31  
Berthoud, CO 80513

**RE: Meadow Hollow Quarry, Permit No. M-2009-006, Technical Revision No. 1 (TR-1), Adequacy Review No. 1**

Mr. Holliday:

The Division of Reclamation, Mining and Safety (Division) has completed its review of your adequacy response submitted on February 3, 2022 for Technical Revision No. 1 (TR-1). After reviewing the materials submitted, the Division has identified the following adequacy item(s) that must be addressed before an approval of TR-1 can be issued:

- 1) The operator has provided a list of the permanent, man-made structures located within ½ mile of the proposed blast area and identified the owner(s) of each structure, as requested. However, the operator states it will not be necessary to conduct a pre-blast survey of these structures (to establish a pre-blast record of existing conditions), as the “size of blast will be so small and gentle”. While pre-blast surveys are not required by the Division, their purpose is to protect the operator and the blaster in the event a nearby structure owner alleges damage and wants compensation, etc. Please be advised, by choosing not to perform pre-blast surveys, the operator is assuming all risk entailed with that decision. If the operator decides to conduct pre-blast surveys, please revise the application accordingly. Otherwise, no revision is required pertaining to this item.
- 2) The operator states the proposed blasts will be “so small and gentle”. However, the operator is proposing to limit ground vibration (peak particle velocity) to 2 in/sec at the nearest neighbor, which exceeds the industry standard of 1 in/sec for structures located within 301 and 5,000 feet from the blast. Please commit to limiting ground vibration to 1 in/sec.
- 3) The operator is proposing to limit airblast to 130 dB at the nearest neighbor, which does not correspond with the operator’s description of the proposed blasts as “small and gentle”. Please commit to limiting airblast to < 120 dB.
- 4) The operator describes the monitoring system to be used (Instantel Blastmate III). However, the operator did not specify the location where this system will be set up for blasting. Please commit to installing the monitoring system at the closest structure to the quarry, which appears to be the structure labeled “R3” on the map (residence owned by Wayne R. and Debra R. Dorband).



This completes the Division's 2<sup>nd</sup> adequacy review of the materials submitted for TR-1. The decision date for TR-1 is currently set for **February 14, 2022**. If additional time is needed to address the adequacy items, an extension request must be received by our office prior to the decision date.

If you have any questions, you may contact me by telephone at (303) 866-3567, ext. 8129, or by email at [amy.eschberger@state.co.us](mailto:amy.eschberger@state.co.us).

Sincerely,

A handwritten signature in blue ink that reads "Amy Eschberger". The signature is written in a cursive, flowing style.

Amy Eschberger  
Environmental Protection Specialist

Cc: Wayne Dorband, Colorado Quarry I, LLC  
Michael Cunningham, DRMS