

Reeck, Amanda

From: Reeck, Amanda
Sent: Friday, March 1, 2019 3:07 PM
To: Ian Mooney; 'Araki and Priebe'
Cc: Barto, Joe; Bottheim, Steve; 'cerdman@geoengineers.com'
Subject: Resumption of blasting at Raging River Quarry, GRDE15-0004
Attachments: FW: Blasting

Ian,
This email is in response to your March 1, 2019 inquiry emailed to Joe Barto and provides approval for Raging River Quarry to resume blasting that was suspended under the November 20, 2018 letter from King County.

Raging River Quarry can resume blasting conducted under the supervision of a licensed blasting contractor, subject to the requirements in the current February 2019 draft blasting plan, subject to any of the relevant current permit conditions, and subject to the recommendations, listed below, for future blasting at the quarry site, which were taken from the February 8, 2019 GeoEngineers Geotechnical Response:

1. Place an additional, temporary seismograph on the top of the steep slope area to record ground motions that could dislodge soil and rock. The seismograph should be in place for the next four to five blasts. We recommend setting a tolerable PPV limit of 17 inches per second at the steep slope seismograph based on limits set for unlined rock tunnels (Hudson and Harrison 1997). Data from the temporary seismograph should be used to establish a setback from the steep slope area where no blasting will occur.
2. Until a setback is established, GeoEngineers should review future blasting plans within 50 feet of the steep slope area. It is not necessary for GeoEngineers to review blasting plans for blasts that occur more than 50 feet away from a steep slope area.
3. During the dry months (typically June through September), blast areas should be sprayed with water and/or water-filled capsules should be added to the stemming to reduce dust generation.

Final reviews of the Revised Blasting Plan (February 2019) and other draft supplemental plans that may affect blasting are still underway; therefore, additional revisions or conditions, resulting from ongoing review of those supplemental plans by other disciplines, may still be required in the future for the Blasting Plan and prior to the final acceptance and approval of those supplemental plans by Permitting for use with the GRDE15-0004 permit revision.

The required notification procedures and time periods will continue to apply to any blasting. As always, any blasting is also required to be consistent with Office of Surface Mining Reclamation and Enforcement (OSMRE) guidance.

Please let me or Joe Barto know if you have any questions.

GRDE15-0004 Item 26, Revised Blasting Plan, February 2019

https://www.kingcounty.gov/~media/depts/permitting-environmental-review/dper/documents/Special-Interest/GRDE15-0004-RRQ-Item-26-Revised-Blasting-Plan-2019_02_08.ashx?la=en

GRDE15-0004 Item 27, McCallum Rock Drilling Letter, February 6, 2019

https://www.kingcounty.gov/~media/depts/permitting-environmental-review/dper/documents/Special-Interest/GRDE15-0004-RRQ-Item-27-McCallum-Review-Letter-2019_02_06.ashx?la=en

GRDE15-0004 Item 28, Geotech Response to County Comments Items A.1 and A.2, February 8, 2019

https://www.kingcounty.gov/~media/depts/permitting-environmental-review/dper/documents/Special-Interest/GRDE15-0004-RRQ-Item-28-Geotechnical-Response-to-KC-Comments-A_1-and-A_2.ashx?la=en

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