

STATE OF
COLORADO

Eschberger - DNR, Amy <amy.eschberger@state.co.us>

Adequacy Review #3 / TR-11 / Boettcher Limestone Quarry / M1977-348

Harkins, Sara <Sara_Harkins@golder.com>

Fri, Sep 18, 2020 at 10:30 AM

To: "Eschberger - DNR, Amy" <amy.eschberger@state.co.us>, "Mike Toelle (mike.toelle@lafargeholcim.com)" <mike.toelle@lafargeholcim.com>

Cc: "travis.bennett@lafargeholcim.com" <Travis.Bennett@lafargeholcim.com>, Patrick Lennberg - DNR <patrick.lennberg@state.co.us>, "Cunningham - DNR, Michael" <michaela.cunningham@state.co.us>, "Moreno, Joanna" <Joanna_Moreno@golder.com>, "McClain, Mark" <Mark_McClain@golder.com>

NOTE: This email chain appears to contain email from outside Golder

Hello Amy,

On behalf of Holcim, please see the attached letter responding to Adequacy Review #3 for TR-11.

A paper copy is also being mailed.

Please let us know if you have any questions.

Thanks,

Sara

Sara Harkins, PG(WY)

Senior Project Geologist/Geochemist



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From: Eschberger - DNR, Amy <amy.eschberger@state.co.us>**Sent:** Wednesday, September 16, 2020 6:18 AM**To:** Mike Toelle (mike.toelle@lafargeholcim.com) <mike.toelle@lafargeholcim.com>**Cc:** Harkins, Sara <Sara_Harkins@golder.com>; travis.bennett@lafargeholcim.com; Patrick Lennberg - DNR <patrick.lennberg@state.co.us>; Cunningham - DNR, Michael <michaela.cunningham@state.co.us>**Subject:** Adequacy Review #3 / TR-11 / Boettcher Limestone Quarry / M1977-348

EXTERNAL EMAIL

Hi Mike,

[Quoted text hidden]

2 attachments



image001.jpg
13K

GOLDER



20144265-4-L-0-Adequacy_Review_3_18SEP20.pdf
161K

September 18, 2020

Reference No. 20144265-4-L-0

Amy Eschberger

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

**RESPONSE TO ADEQUACY REVIEW #3 FOR TECHNICAL REVISION (TR-11 REV 1) OF
PERMIT M-1977-348**

Dear Ms. Eschberger:

On behalf of Holcim (US) Inc., Golder Associates Inc. (Golder) is submitting this response to Adequacy Review #3 for a Technical Revision #11 (TR-11 Rev 1) to permit M-1977-348 to modify the groundwater monitoring program for the Boettcher Limestone Quarry (Site) located at 3060 West County Road 56, Laporte, Colorado 80535. The response to comments is being provided instead of a resubmittal of the TR-11 Rev 1 to the Division of Reclamation, Mining, and Safety (DRMS)

Comment 1:

"Please provide an estimated timeline for installation of the proposed monitoring well MW-8."

Response: The exact timing will be dependent on driller availability and weather. Well MW-8 should be installed by the end of 2020. If possible, MW-8 will be installed prior to the next semi-annual sampling event and included in the sampling event.

Comment 2:

"The proposed location for monitoring well MW-9 is not satisfactory as it does not appear to be located hydrologically downgradient of the CKD disposal areas and existing downgradient monitoring wells. Please provide a more appropriate location for MW-9 which satisfies the requirements of Rule 3.1.7(6). The Division understands the spatial limitations at this site which make it difficult to choose an appropriate location for MW-9. However, the Division believes there are areas located hydrologically downgradient from the CKD disposal areas and within the permit area which may provide a more suitable location for MW-9. Alternatively, the operator may commit to submitting a separate Technical Revision later to address the location of MW-9. This would expedite the decision on TR-11, allowing the operator to install MW-8 now so it can be sampled during the next semi-annual sampling event."

Response: A separate TR will be submitted to address the location of MW-9 if it is determined that well MW-9 is needed.

Comment 3:

"Please address Item No. 3 from Patrick Lennberg's Review Memo dated August 18, 2020."

Response: If water is used during drilling, a sample will be collected and analyzed for the analytical suite for the site.

If you have any questions, please call the undersigned at (303) 980-0540.

Golder Associates Inc.



Sara Harkins, PG (WY)
Senior Project Geochemist



Joanna Moreno, PH-GW
Practice Leader, Groundwater

SH/JM/af

[https://golderassociates.sharepoint.com/sites/127556/project files/6 deliverables/letters/4-l-adequacy_review_3/4-l-0/20144265-4-l-0-adequacy_review_3_18sep20.docx](https://golderassociates.sharepoint.com/sites/127556/project%20files/6%20deliverables/letters/4-l-adequacy_review_3/4-l-0/20144265-4-l-0-adequacy_review_3_18sep20.docx)