



July 8, 2022

Mr. Scott Marcus  
CEMEX, Inc.  
P.O. Box 529  
Lyons, CO 80540

**Re: Additional Information Required Letter No. 3, 1<sup>st</sup> Quarter 2022 Groundwater Monitoring Report; Lyons Quarry, Permit No. M-1977-208**

Dear Mr. Marcus:

On July 6, 2022, the Division of Reclamation, Mining and Safety (Division/DRMS) received your responses to the Division's request for additional information dated June 6, 2022 regarding the 1<sup>st</sup> Quarter 2022 groundwater monitoring report for the Lyons Quarry. After review of the submission the Division has additional items that need to be addressed or clarified.

1. The boring log and well construction diagram provided in the response is for CEM-005 installed in 2007 and was later abandoned due to a collapse of the well. Please provide the boring log and well construction diagram for CEM-005 that was installed in 2012.
2. The Operator provided field data sheet for CEM-005 is difficult to understand. It appears there is approximately 3 feet of water contained in the 4-inch monitoring well and approximately 2.3 casing volumes or 4.5 gallons of water were removed prior to the well going dry. Please confirm this is the case. Additionally, what method is being used to purge the well?
3. What times were the initial and final water levels taken? Typical industry standard operating procedures for sampling low yielding wells is to return to the well within 24 hours of purging the well dry to collect another water level to determine if there is sufficient volume to collect a sample, was this done at CEM-005? If not why?
4. It is apparent to the Division that CEM-005 is not a dry well and does recover in time. Any water that enters the well after purging dry is considered representative of formation water. The Operator needs to collect a sample from CEM-005 beginning in the 3<sup>rd</sup> Quarter 2022.
5. The purpose of passive or no purge sampling devices is to eliminate the need to purge a well at all. Please explain why the Operator contends such sampling methods would not provide accurate water quality data?



The due date for your responses to the above items is **August 4, 2022**. The Division reserves the right to further supplement this document with additional items and details as necessary.

If you need additional information or have any questions, please contact me at Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, by telephone at **303-866-3567 x8114**, or by email at [patrick.lennberg@state.co.us](mailto:patrick.lennberg@state.co.us).

Sincerely,



Patrick Lennberg  
Environmental Protection Specialist

cc: Jared Ebert, DRMS

ec: Scott Harcus, CEMEX, Inc., [scotta.harcus@cemex.com](mailto:scotta.harcus@cemex.com)