



**COLORADO**  
Division of Reclamation,  
Mining and Safety  
Department of Natural Resources

March 8, 2022

Mr. Josh Oliver  
Brannan Sand & Gravel Company  
2500 East Brannan Way  
Denver, CO 80229

**Re: Second Letter Requesting Additional Information, 4<sup>th</sup> Quarter 2021 Groundwater Level Monitoring; Pit 29, Permit No. M-1980-183**

Dear Mr. Oliver:

On March 2, 2022, the Division of Reclamation, Mining and Safety (Division/DRMS) received your responses to the Division's request for additional information dated January 31, 2022 regarding the 4<sup>th</sup> quarter 2021 groundwater level monitoring data. After review of the submission the Division has additional items that need to be addressed or clarified.

1. Operation of the Fulton Ditch is assumed to be consistent over the period of record. The seasonal groundwater level variation in both MW-1 and MW-2 is well established from August 2015 to August 2018. However, the groundwater level in MW-2 abruptly increases between August and October 2018. Groundwater levels then reflect a seasonal variation but at a higher level. Has the operation of the Fulton Ditch changed in a manner that would account for the rise in groundwater levels being seen at MW-2? If operation of the ditch has changed please provide the details of the change and how it accounts for the groundwater level change seen at MW-2.
2. On February 8, 2018 the Division performed a routine monitoring inspection of Pit 29. During the inspection it was documented the slurry wall in Mining Area II was leaking. The Operator stated the landowner was taking measures to repair the slurry wall. On April 19, 2019 the Division performed a monitoring inspection of Pit 29 at the request of the Operator to discuss remaining reclamation items. During that inspection the Operator informed the Division the leaking slurry wall had been repaired and subsequently passed SEO certification. It appears the repair of the slurry wall coincides with the increase in groundwater levels observed at MW-2. Please provide a detailed discussion of the slurry wall repair, including when repair activities began and ended, and the rise of groundwater levels observed at MW-2 and how the two items are or are not related. Finally, provide the SEO certification stating the repaired slurry wall passed the required leak test.

Please respond to these issues within 30 days of the date on this letter. The due date is April 7, 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: Josh Oliver, Brannan Sand & Gravel Company, [joliver@brannan1.com](mailto:joliver@brannan1.com)