



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

January 31, 2022

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

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

Dear Mr. Oliver:

On January 26, 2022, the Division of Reclamation, Mining and Safety (Division/DRMS) received your 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. Please submit an updated map depicting the slurry wall locations, monitoring well locations, the location of the french drain and the permit boundary.
2. During the response to adequacy review for AM-2, dated April 7, 2015, the Operator committed, in item #7, to performing a TV survey of the french drain system once every 5 years to determine if it needed to be cleaned out, has the Operator performed a survey yet? If not when will the survey be completed?
3. There has been a gradual rise in groundwater level at MW-1 along the east side of the permit boundary since 2018. In February 2018 the depth to groundwater was 23.9 feet in February 2021 it was 17.54 feet and in August 2021 the shallowest depth to water on record was measured at 14.9 feet. The Division is currently working with the Operator (E-470 Public Highway Authority) of the Henderson Development, M1980-110, immediately to the east of MW-1 on a groundwater ponding issue at the site. Please address the potential disturbance of the hydrologic balance along the east side of Pit 29 permit boundary causing offsite impacts to an adjacent permit holder. Pursuant to Rule 3.1.6 an Operator is required to minimize disturbances of the hydrologic balance both during and after mining and during reclamation.

Please respond to these issues within 30 days of the date on this letter. The due date is March 2, 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)