

STATE OF
COLORADO

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Pit 29 M-1980-183 Problem Cited and Corrective Action Required1 message

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Thu, Jan 18, 2024 at 11:20 AM

To: Fred Marvel <fmarvel@brannan1.com>, Brad Hagen <brad@civilresources.com>, Emily Schallenkamp <eschallenkamp@brannan1.com>, Amy Eschberger - DNR <amy.eschberger@state.co.us>, "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Hello.

Please see the attached letter citing a problem for disturbances to the prevailing hydrologic balance at Pit 29.

A hard copy will not be mailed unless specifically requested. Please reach out to me if you have any questions regarding this matter.

Respectfully,

Nikie Gagnon
Environmental Protection Specialist



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

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M1980183_Pit 29_Problem Cited_Hydrologic Balance_20240118.pdf
259K



January 18, 2024

Fred Marvel
Brannan Sand and Gravel Company, LLC
2500 East Brannan Way
Denver, CO 80229

Re: Pit 29, Permit No. M-1980-183, Problem Cited and Corrective Action Required

On October 26, 2023, the Division of Reclamation, Mining and Safety (Division/DRMS) requested a groundwater model mounding and shadowing analysis for Pit 29, to be submitted in the form of a Technical Revision by November 25, 2023. As of the date of this letter, the Division has not received the requested analysis and is therefore citing the following problem:

INSPECTION TOPIC: Hydrologic Balance

PROBLEM: Per Rule 3.1.6(1), disturbances to the prevailing hydrologic balance of the affected land and of the surrounding area and to the quantity or quality of water in surface and groundwater systems both during and after the mining operation and during reclamation shall be minimized. Based on the submitted groundwater monitoring data for Pit 29, significantly increased groundwater levels have been observed along the eastern edge of the site since the slurry wall liner was properly installed (repaired) in this area in 2018. The depth to groundwater reported at monitoring well MW-1 is several feet higher post-2018 than the depths reported during the first 10 years of monitoring at the site and the historic depths stated in the original permit application. Based on this data, the Division believes the operator is not minimizing impacts to the prevailing hydrologic balance, as significant groundwater mounding may be occurring along the eastern edge of the site.

CORRECTIVE ACTIONS: By the corrective action due date, the operator shall submit a Technical Revision, with the required \$216 revision fee, which includes the groundwater model mounding and shadowing analysis that was originally requested by the Division on October 26, 2023. This revision should also include a proposed mitigation plan (based on the groundwater analysis and available site monitoring data) to address groundwater mounding on the east side of the permit area.

CORRECTIVE ACTION DUE DATE: March 17, 2024



January 17, 2024
Fred Marvel
Brannan Sand and Gravel Company, LLC
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Please be advised, additional enforcement actions may be pursued if the required corrective action is not submitted by the due date specified above.

Sincerely,

Nikie Gagnon
Environmental Protection Specialist

ec: Emily Schallenkamp, Brannan Sand and Gravel
Brad Hagen, Civil Resources, LLC
Amy Eschberger, DRMS
Patrick Lennberg, DRMS