



STATE OF  
COLORADO

Carter - DNR, Jocelyn <jocelyn.carter@state.co.us>

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## Pueblo Cement Plant and Limestone Quarry M-2002-004 Groundwater Discharge Exceedance Notice Response

1 message

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**Carter - DNR, Jocelyn** <jocelyn.carter@state.co.us>

Mon, Jul 22, 2024 at 7:31 PM

To: Amy Rodrigues <aveek@gcc.com>

Cc: Amy Eschberger - DNR <amy.eschberger@state.co.us>, "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>, landon beck <lbeck@slrconsulting.com>, Vance Sarah <svance@gcc.com>

Hi Amy,

Please see the attached letter in response to the exceedance notifications received on July 15, 2024, and July 22, 2024, for the 2024 Second Quarter. If you have any questions or concerns, please let me know.

Thanks,  
Jocelyn

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Jocelyn Carter  
Environmental Protection Specialist  
Division of Reclamation, Mining, and Safety  
1313 Sherman St Suite 215  
Denver, CO 80203  
cell: (720) 666-1065



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**20240722\_M2002004\_ExceedanceNotificationResponse.pdf**  
218K



July 22, 2024

Amy Rodrigues  
GCC Rio Grande, Inc.  
3372 Lime Rd  
Pueblo, CO 81004

**RE: Notice of Groundwater Discharge Exceedance Quarter 2, 2024, Pueblo Cement and Limestone, Permit# M-2002-004**

Dear Ms. Rodrigues,

The Division received the notification of groundwater discharge exceedance of Agricultural Standards (Table 3) of Regulation 41 – The Basic Standards for Groundwater (Reg. 41) from the 2024 second quarter monitoring period on July 15, 2024, for exceedances in fluoride in MW-20 and MW-24 along with an exceedance of pH in MW-24 in samples collected on June 10, 2024. Another notification was received on July 22, 2024, for pH exceedances detected in MW-22 in samples collected on June 22, 2024.

**Fluoride Exceedance**

The exceedances of fluoride were detected in wells MW-20 and MW-24 at 2,2300 µg/L and 2,060 µg/L, respectfully. These monitoring wells were recently installed in May of 2024 and do not have historical data to compare the reported lab results with. According to the monitoring well specifications for these wells in TR-12, approved on November 3, 2023, the wells are screening the Codell Sandstone. In the 2023 Annual Hydrology Report the Operator states that fluoride concentrations increase in groundwater where calcium concentrations are low. The report also describes a correlation to increased fluoride concentrations in groundwater with increases in bicarbonate and carbonate alkalinity in MW-14, also screening in the Codell Sandstone. Please submit the complete lab results for the samples collected on June 10, 2024, for MW-20 and MW-24 for Division review and include a narrative explaining the cause for the exceedances detected.

**pH Exceedance**

The exceedances of pH were detected in wells MW-22 and MW-24 at 9.1 and 9.34, respectfully. According to the 2023 Annual Hydrology Report, there is no historical occurrence of pH exceedances for the Pueblo Cement Plant and Limestone Quarry since the installation and implementation of the groundwater monitoring system. Please provide an explanation of the exceedances in pH for MW-24 on June 10, 2024, and MW-22 on June 22, 2024.

This concludes the Divisions response to the exceedance notification. The Division reserves the right to further supplement this document with additional items and/or details



necessary. Provide a response regarding the exceedances above to the Division by ***August 6, 2024***.

**The Division asks that GCC Rio Grande, Inc. provide an explanation for exceedances being reported for future exceedance notifications.**

The Division appreciates GCC Rio Grande, Inc.'s dedication to the shared mission of protecting the environment and maintaining vigilance regarding the safety of groundwaters.

If you have any questions, please contact me by email at [Jocelyn.carter@state.co.us](mailto:Jocelyn.carter@state.co.us) or by phone at (720) 666-1065.

Sincerely,



Jocelyn Carter  
Environmental Protection Specialist  
Division of Reclamation, Mining, and Safety

Ec: Amy Eschberger, DRMS  
Patrick Lennberg, DRMS