STATE OF COLORADO

Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>

GCC Pueblo Facility - Notification of Groundwater Discharge Exceedance 2019-Q2 - Permit #M2002004

1 message

Furman Diana <dfurman@gcc.com> Fri, Jul 5, 2019 at 9:19 AM
To: "Patrick Lennberg - DNR (patrick.lennberg@state.co.us)" <patrick.lennberg@state.co.us>
Cc: Lotito Gina <glotito@gcc.com>, Alarcon Alejandro <aalarcon@gcc.com>, Furman Diana <dfurman@gcc.com>

Good Morning Patrick,

Pursuant to Rule 3.1.7(9), this email provides timely notification of concentrations above Colorado state ag standards in a sample collected as part of the recent 2nd Quarter 2019 sampling event at GCC's Pueblo Facility. On June 28th, GCC received a laboratory report from ACZ Laboratories indicating concentrations above the ag standards in the sample collected from MW-6 on June 12, 2019. A revised report from ACZ was received on July 3rd, providing the following results for MW-6:

Parameter	State Ag Standard	Result
Manganese	200 ug/L	970 ug/L
Selenium	20 ug/L	96.6 ug/L

As noted in Water Quality Control Commission, Regulation 41 - The Basic Standards for Groundwater<https://www.colorado.gov/pacific/sites/default/files/41_2016%2812%29.pdf>, the manganese standard of 200 ug/L is only appropriate where irrigation water is applied to soils with pH values lower than 6.0, which is not the case for areas potentially receiving waters from this facility. In addition, the manganese result for MW-6 is consistent with prior analytical results.

For prior samples collected from MW-6 and MW-7 and analyzed by a different laboratory, only one trace concentration of selenium was reported (6.2 ug/L in MW-6). Therefore, GCC cannot conclude whether the recent analysis reflects a change resulting from different laboratories or is indicative of a real increase. In addition, MW-7 is a much higher yielding well and more reflective of water emanating from or under the quarry; therefore, GCC believes MW-7 is a more reliable and representative monitoring point. No standards were exceeded in the sample from MW-7.

GCC will proceed to complete our data review, validation and verification process and will send the field and laboratory records when complete.

Please feel free to contact me if you have any questions.

Thanks,

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