

STATE OF
COLORADO

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

GCC Pueblo Facility - Notification of Groundwater Discharge Exceedance 2019-Q3 - Permit #M2002004

Furman Diana <dfurman@gcc.com>

Thu, Oct 10, 2019 at 6:54 PM

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 Evening 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 3rd Quarter 2019 sampling event at GCC's Pueblo Facility. On October 4th, GCC received a laboratory report from ACZ Laboratories indicating concentrations above the ag standards in the samples collected from MW-6 and MW-7 on September 19th and 18th, respectively. The report provided the following results:

Parameter
State Ag Standard
Results (MW-6)
Results (MW-7)
Units
Ug/L
Ug/L
Ug/L
Manganese
200
580
100
Selenium
20
140
76.2

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 (if not lower than) 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). In addition, the minimum detection levels were above the state ag standard (6,000 ug/L) since GCC was unaware that we should have been comparing the results to ag standards at the time. Therefore, GCC cannot conclude whether the recent analysis reflects a change resulting from different evaluations 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 continues to believe MW-7 is a more reliable and representative monitoring point.

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,

[DFurman Env Eng Email Sig]



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Furman Diana <dfurman@gcc.com> Tue, Oct 15, 2019 at 8:52 AM
To: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>
Cc: Furman Diana <dfurman@gcc.com>

Sorry about that. Does this work?

Parameter	State Ag Standard	Results (MW-6)	Results (MW-7)
Units	Ug/L	Ug/L	Ug/L
Manganese	200	580	100
Selenium	20	140	76.2



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