

**M-2002-004 GCC Pueblo - Notification of GW Discharge Exceedance 4Q 2022**

1 message

**Amy Veek** <aveek@gcc.com>

Tue, Dec 6, 2022 at 9:11 AM

To: "Lennberg - DNR, Patrick" &lt;patrick.lennberg@state.co.us&gt;

Cc: Vance Sarah &lt;svance@gcc.com&gt;, Alarcon Alejandro &lt;aalarcon@gcc.com&gt;, Landon Beck &lt;lbeck@resourcehydrogeologic.com&gt;

Patrick,

Pursuant to Rule 3.1.7(9), this email provides the notification of concentrations above Colorado state ag standards in groundwater samples collected as part of the recent 4th Quarter 2022 groundwater sampling event at GCC's Pueblo Facility. On December 2<sup>nd</sup> and 5<sup>th</sup>, GCC received the final laboratory reports from ACZ Laboratories indicating concentrations above the ag standards in the samples collected on November 7<sup>th</sup> and 8<sup>th</sup> from MW-6, MW-7, MW-8, MW-9, MW-2B (sample duplicate), MW-11, MW-13 and MW-14. Note MW-5 was dry and no sample was able to be taken. The reports provided the following results:

Parameter	State Ag Standard	Results MW-6	Results MW-7	Results MW-8	Results MW-9	Results MW-11	Results MW-2B (sample duplicate)	Results MW-13	Results MW-14
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Manganese	200	606	<50	236	552	17	245	<20	<50
Nickel	200	320	<40	<16	<40	11	<16	<16	<40
Cobalt	50	60.8	1.76	0.505	6.28	2.32	0.517	<0.25	0.864
Selenium	20	<0.5	37.1	<0.5	<0.1	162	<0.5	<0.2	<1
Fluoride	2000	790	370	900	270	760	930	6510	2870

As noted in [Water Quality Control Commission, Regulation 41 - The Basic Standards for Groundwater](#), 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.

Let me know if you have any questions.

Regards,

Amy



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