



GHM - Appendix C-7

Ben Langenfeld <benl@lewicki.biz>

Thu, Jul 27, 2023 at 1:36 PM

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

Patrick

One of the Gold Hill Mill adequacy items asked for Times-Winona water quality sampling. I had inserted it in the back of Appendix C-7, but it looks like it got lost in the file shuffle. I am sending it now so you can look at it in case you have a question on it to go with the other questions.

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 **App C-7 TW Sampling.pdf**
460K

Analytical Results

TASK NO: 210721079

Report To: Lewis Perkins

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Bill To: Lewis Perkins

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 210721079
Client PO:
Client Project: Gold Hill

Date Received: 7/21/21
Date Reported: 7/28/21
Matrix: Water - Ground

Customer Sample ID Times Wynona Well
Sample Date/Time: 7/21/21 10:40 AM
Lab Number: 210721079-02

Test	Result	Method	ML	Date Analyzed	Analyzed By
Bicarbonate	224.4 mg/L as CaCO ₃	SM 2320-B	4.0 mg/L as CaCO ₃	7/22/21	ECM
Carbonate	< 4.0 mg/L as CaCO ₃	SM 2320-B	4.0 mg/L as CaCO ₃	7/22/21	ECM
Chloride	4.81 mg/L	EPA 300.0	0.01 mg/L	7/22/21	JTF
Hydroxide	< 4.0 mg/L as CaCO ₃	SM 2320-B	4.0 mg/L as CaCO ₃	7/22/21	ECM
Sulfate	926.88 mg/L	EPA 300.0	0.01 mg/L	7/22/21	JTF
Total Alkalinity	224.4 mg/L as CaCO ₃	SM 2320-B	4.0 mg/L as CaCO ₃	7/22/21	ECM
Total Dissolved Solids	1737 mg/L	SM 2540-C	5 mg/L	7/26/21	ISG
Total Suspended Solids	12 mg/L	SM 2540-D	5 mg/L	7/22/21	ISG
<u>Dissolved</u>					
Silica (as Si)	7.0 mg/L	EPA 200.8	0.3 mg/L	7/22/21	IPC
<u>Total</u>					
Antimony	< 0.0012 mg/L	EPA 200.8	0.0012 mg/L	7/22/21	IPC
Arsenic	0.0029 mg/L	EPA 200.8	0.0006 mg/L	7/22/21	IPC
Barium	0.0232 mg/L	EPA 200.8	0.0007 mg/L	7/22/21	IPC
Beryllium	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	7/22/21	IPC
Cadmium	0.0009 mg/L	EPA 200.8	0.0001 mg/L	7/22/21	IPC
Calcium	312.4 mg/L	EPA 200.7	0.1 mg/L	7/23/21	MBN
Chromium	< 0.0015 mg/L	EPA 200.8	0.0015 mg/L	7/22/21	IPC
Cobalt	0.0007 mg/L	EPA 200.8	0.0002 mg/L	7/22/21	IPC
Copper	0.0123 mg/L	EPA 200.8	0.0008 mg/L	7/22/21	IPC
Iron	1.623 mg/L	EPA 200.7	0.005 mg/L	7/23/21	MBN

Abbreviations/ References:

ML = Minimum Level = LRL = RL
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed



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Sample Date/Time: 7/21/21 10:40 AM
Lab Number: 210721079-02

Test	Result	Method	ML	Date Analyzed	Analyzed By
<i>Total</i>					
Lead	0.0097 mg/L	EPA 200.8	0.0001 mg/L	7/22/21	IPC
Magnesium	77.71 mg/L	EPA 200.7	0.02 mg/L	7/23/21	MBN
Manganese	0.3562 mg/L	EPA 200.8	0.0008 mg/L	7/22/21	IPC
Mercury	< 0.0002 mg/L	EPA 245.7	0.0002 mg/L	7/27/21	MLT
Nickel	0.0107 mg/L	EPA 200.8	0.0009 mg/L	7/22/21	IPC
Potassium	4.8 mg/L	EPA 200.7	0.1 mg/L	7/23/21	MBN
Selenium	0.0015 mg/L	EPA 200.8	0.0008 mg/L	7/22/21	IPC
Silver	< 0.0005 mg/L	EPA 200.8	0.0005 mg/L	7/22/21	IPC
Sodium	8.4 mg/L	EPA 200.7	0.1 mg/L	7/23/21	MBN
Strontium	0.689 mg/L	EPA 200.8	0.005 mg/L	7/22/21	IPC
Thallium	< 0.0002 mg/L	EPA 200.8	0.0002 mg/L	7/22/21	IPC
Vanadium	0.002 mg/L	EPA 200.8	0.001 mg/L	7/22/21	IPC
Zinc	0.654 mg/L	EPA 200.8	0.001 mg/L	7/22/21	IPC

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