



Received by DRMS via
Email on: 12/14/2020

COLORADO MILLING COMPANY, LLC
P.O. BOX 327, MOAB, UT 84532

December 14, 2020

Mr. Michael Cunningham & Ms. Amy Eschberger
COLORADO DIVISION OF RECLAMATION, MINING & SAFETY
Department of Natural Resources
1313 Sherman Street, Room 215
Denver, CO 80203

Subject: Fourth Quarter Water Sampling Results
Gold Hill Project (Cash Mine Property), Gold Hill, Colorado
Mine Land Reclamation Permit No. M-1983-141

Dear Mr. Cunningham & Ms. Eschberger,

The fourth quarter, 2020 ("Q4/20") water sampling was conducted by Lewis Perkkins, Colorado Milling Company on December 7, 2020.

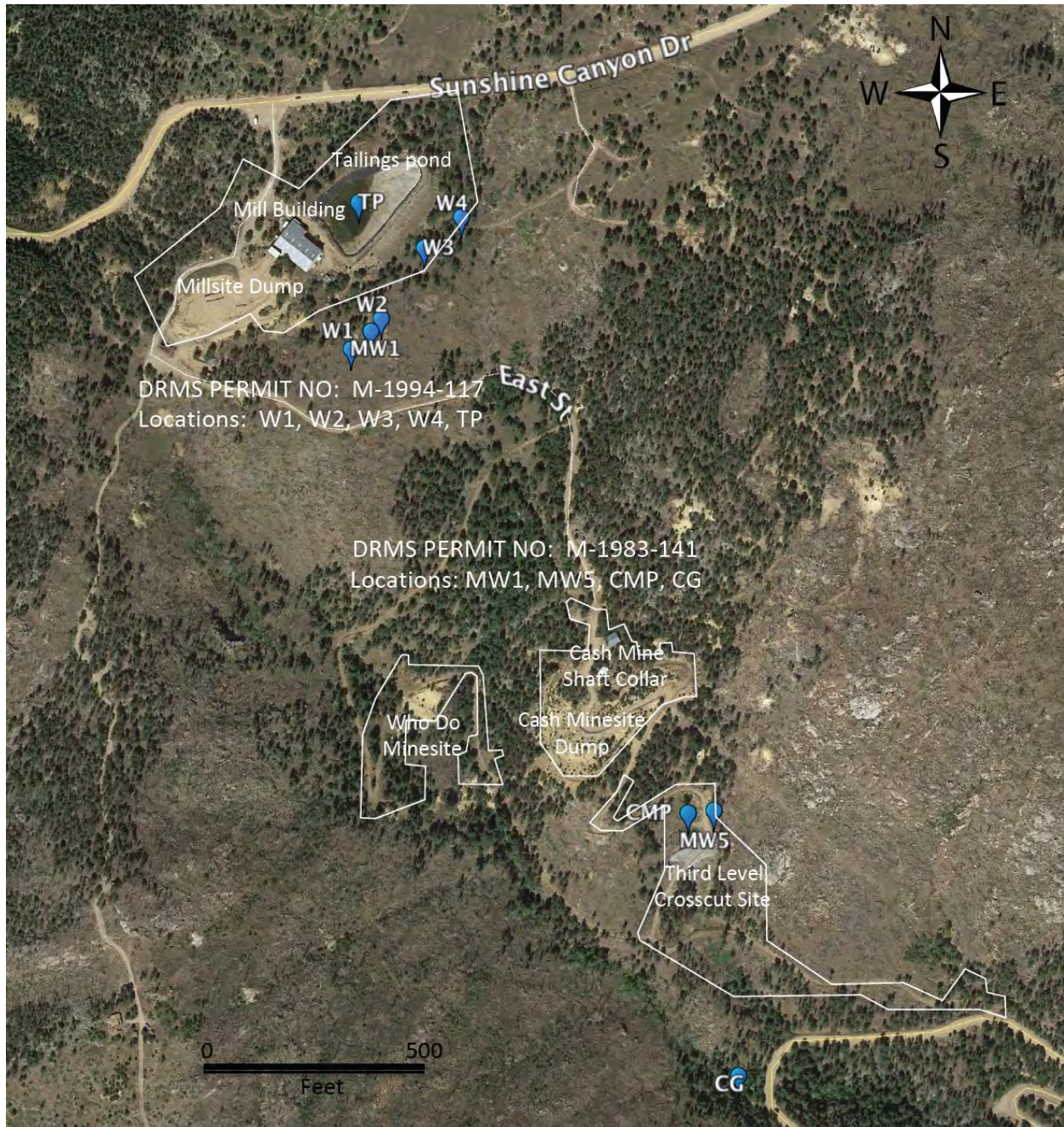
- **Trace Element & Related Data:** Four monitoring stations were sampled for arsenic, cadmium, manganese, zinc, total dissolved solids ("residue") and sulfate. Analyses were performed by Colorado Analytical Laboratories Inc., based in Denver. Copies of their original laboratory analytical reports are included in this submittal.
- **Other Data:** Water depth, temperature and pH data were gathered by Mr. Perkins, and recorded along with the aforementioned trace element and related data in an Excel spreadsheet, a copy of which is included in this submittal.

I trust you will find these data to your satisfaction. Please do not hesitate to contact me directly should you have any questions or concerns.

Sincerely,



Avrom E. Howard, MSc, PGeo
COLORADO MILLING COMPANY



Map showing locations of water monitoring stations for permits M-1994-117 & M-1983-141

LOCATIONS		WELL MEASUREMENTS					WATER ANALYSES (ppm)							
LOCATION ID	DATE	TIME	DEPTH (ft)	pH	TEMP (°C)	CONDUCTIVITY (uS/cm)	SAMPLE ID	DATE	As	Cd	Mn	Zn	Residue	Sulfate
MW1	12/07/20	10:30	62.90	7.67	10.0	1,668	201207104-01	12/07/20	<0.0006	<0.0001	0.280	<0.001	1,445	885.09
MW5	12/07/20	12:05	23.08	7.63	11.5	914	201207104-06	12/07/20	0.0009	<0.0001	0.274	<0.001	689	262.36
CMP	12/07/20	-	frozen	-	-	-	-	-	-	-	-	-	-	-
CG	12/07/20	12:30	0.00	7.94	3.0	486	201207104-07	12/07/20	<0.0006	0.0006	0.011	0.202	321	156.54

Complete data set for monitoring stations associated with permit M-1983-141, Q4/2020

Analytical Results

TASK NO: 201207104

Report To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Bill To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID MW 1

Sample Date/Time: 12/7/20 10:30 AM

Lab Number: 201207104-01

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	885.09 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	1445 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.2804 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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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10411 Heinz Way / Commerce City, CO 80640 / 303-659-2313
Mailing Address: P.O. Box 507 / Brighton, CO 80601-0507

Analytical Results

TASK NO: 201207104

Report To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Bill To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID W 1

Sample Date/Time: 12/7/20 10:50 AM

Lab Number: 201207104-02

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	140.40 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	344 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.0022 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	0.011 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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72 Brandywine Dr
Williamsville NY 14221

Bill To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID W2

Sample Date/Time: 12/7/20 11:05 AM

Lab Number: 201207104-03

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	196.85 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	400 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	0.0003 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	< 0.0008 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	0.100 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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Analytical Results

TASK NO: 201207104

Report To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Bill To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID W3

Sample Date/Time: 12/7/20 11:18 AM

Lab Number: 201207104-04

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	129.11 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	337 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.0067 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	0.005 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID W4

Sample Date/Time: 12/7/20 11:30 AM

Lab Number: 201207104-05

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	146.05 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	443 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.5997 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	0.002 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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Analytical Results

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72 Brandywine Dr
Williamsville NY 14221

Bill To: Avrom Howard

Company: Colorado Milling CO
72 Brandywine Dr
Williamsville NY 14221

Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID MW5

Sample Date/Time: 12/7/20 12:05 PM

Lab Number: 201207104-06

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	262.36 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	689 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	0.0009 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	< 0.0001 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.2737 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	< 0.001 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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Bill To: Avrom Howard

Company: Colorado Milling CO
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Task No.: 201207104
Client PO:
Client Project: Gold Hill

Date Received: 12/7/20
Date Reported: 12/14/20
Matrix: Water - Ground

Customer Sample ID Cash Gulch
Sample Date/Time: 12/7/20 12:30 PM
Lab Number: 201207104-07

Test	Result	Method	ML	Date Analyzed	Analyzed By
Sulfate	156.54 mg/L	EPA 300.0	0.01 mg/L	12/9/20	MAT
Total Dissolved Solids	321 mg/L	SM 2540-C	5 mg/L	12/10/20	ISG
<u>Dissolved</u>					
Arsenic	< 0.0006 mg/L	EPA 200.8	0.0006 mg/L	12/11/20	IPC
Cadmium	0.0006 mg/L	EPA 200.8	0.0001 mg/L	12/11/20	IPC
Manganese	0.0108 mg/L	EPA 200.8	0.0008 mg/L	12/11/20	IPC
Zinc	0.202 mg/L	EPA 200.8	0.001 mg/L	12/11/20	IPC

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