

STATE OF
COLORADO

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

GV-06 Monitoring - 4/15

4 messages

Joshua Adams <Joshua.Adams@newmont.com>

Mon, Apr 15, 2024 at 3:15 PM

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

Cc: Norma Townley <Norma.Townley2@newmont.com>, Katie Blake <Katie.Blake@newmont.com>, Johnna Gonzalez <Johnna.Gonzalez@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>, Elliott Russell - DNR <elliott.russell@state.co.us>, Nikie Gagnon - DNR <nikie.gagnon@state.co.us>, Hunter Ridley - DNR <hunter.ridley@state.co.us>, "West - DNR, Lucas" <lucas.west@state.co.us>, Zach Trujillo - DNR <zach.trujillo@state.co.us>

Patrick,

We inspected the GV-06 location at approximately 13:45 MDT and were able to collect a sample. The sample will be shipped overnight with a rush request, however some of the analyte suites will take longer than 24 hours to be reported. We will share results as they come in, but I don't anticipate having the final report until Friday this week. Please let me know if you have questions. Thank you!

**Newmont**
CRIPPLE CREEK & VICTOR**Josh Adams, PG**

SITE WATER COORDINATOR

Cripple Creek & Victor Gold Mining Company

Victor, CO 80860

O 719.851.4260

M 719.323.0438

NEWMONT.COM

From: Joshua Adams**Sent:** Wednesday, April 10, 2024 4:23 PM**To:** Lennberg - DNR, Patrick <patrick.lennberg@state.co.us>**Cc:** Norma Townley <Norma.Townley2@newmont.com>; Katie Blake <Katie.Blake@Newmont.com>; Johnna Gonzalez <Johnna.Gonzalez@newmont.com>; Antonio Matarrese <Antonio.Matarrese@newmont.com>; Elliott Russell - DNR <elliott.russell@state.co.us>; Nikie Gagnon - DNR <nikie.gagnon@state.co.us>; Hunter Ridley - DNR <hunter.ridley@state.co.us>; West - DNR, Lucas <lucas.west@state.co.us>; Zach Trujillo - DNR

<zach.trujillo@state.co.us>

Subject: GV-06 Monitoring - 4/10

Good Afternoon,

See the attached photo documentation of our inspection of the GV-06 location today (4/10). No flowing water was observed at the GV-06 location. Pictures were taken at approximately 15:15 MDT. Temperature registered at the thermometer in the truck was 40°F. At the Rigi station, the temperature at 15:15 was 38°F, with approximately 5-mph winds.

After agreement with the Division on March 25th to postpone the investigation for that week until Thursday (3/28), CC&V assumed that the investigation should continue on a weekly schedule and adjusted the inspection day. Moving forward CC&V will return to the Monday inspection schedule for the GV-06 location with the next inspection to be conducted on 4/15.

Thank you and please let me know if you have questions.



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[719.323.0438](tel:719.323.0438)

newmont.com

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

Sent: Wednesday, April 10, 2024 3:34 PM

To: Joshua Adams <Joshua.Adams@newmont.com>

Cc: Norma Townley <Norma.Townley2@newmont.com>; Katie Blake <Katie.Blake@Newmont.com>; Johnna Gonzalez <Johnna.Gonzalez@newmont.com>; Antonio Matarrese <Antonio.Matarrese@newmont.com>; Elliott Russell - DNR <elliott.russell@state.co.us>; Nikie Gagnon - DNR <nikie.gagnon@state.co.us>; Hunter Ridley - DNR <hunter.ridley@state.co.us>; West - DNR, Lucas <lucas.west@state.co.us>; Zach Trujillo - DNR <zach.trujillo@state.co.us>

Subject: [EXTERNAL] Re: GV-06 Monitoring - 4/3

Good Afternoon Josh,

The Division wanted to reiterate from its February 9, 2024 letter;

Within one week of the date of this letter, the Operator shall determine if flow is occurring beneath the ice at GV-06. If flow is occurring, the Operator will remove the ice and collect a sample. The sample shall have a 24-hour rush analysis performed and the results provided to the Division no later than 48 hours after sample collection. The results will be compared to the appropriate calculated stream segment standards. The Division is to be notified no sooner than 24 hours of when GV-06 will be visited and then notified again whether a sample was collected. If no sample is collected, the site shall be revisited on a weekly basis until a sample can be collected.

Recently, sampling attempts of GV-06 have departed from the Monday schedule agreed to in the February 19th email and notification of the sampling attempts are being delayed by a week. Please keep to the agreed upon schedule and notify the Division whether or not a sample has been collected or the day of the attempt. Elliott observed flow in Grassy Valley below GV-06 this past Monday (4/8) and the Division suspects that flowing conditions will be observed at GV-06 and a sample collected within the next couple of weeks.

Please clearly state if GV-06 has been observed and if a sample was collected or not this week (April 8).

The Division will have continued discussions with the Operator regarding sampling of GV-4.5 and GV-05.

Thank you,

Patrick

On Tue, Apr 9, 2024 at 2:57 PM Joshua Adams <Joshua.Adams@newmont.com> wrote:

Elliott/Patrick,

See the attached photo documentation of our inspection of the GV-06 location last Wednesday (4/3). No flowing water was observed at the GV-06 location. Pictures were taken at approximately 14:00 MDT. Temperature registered at the thermometer in the truck was 48°F. At the Rigi station, the temperature at 14:00 was 45°F, with approximately 5-mph winds.

Visual flows were observed at locations GV-4.5 Spring and GV-05, however no samples were collected due to the sites being on private property.



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[O 719.851.4260](tel:719.851.4260)

[M 719.323.0438](tel:719.323.0438)

[NEWMONT.COM](http://newmont.com)

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Patrick Lennberg

Environmental Protection Specialist


P 303.866.3567 x8114 | F 303.832.8106

Physical Address: [1313 Sherman Street, Room 215, Denver, CO 80203](#)

Address for FedEx, UPS, or hand delivery:

[1001 E 62nd Ave, Denver, CO 80216](#)

Patrick.Lennberg@state.co.us | <https://drms.colorado.gov>

Elliott Russell (DNR-DRMS) <elliott.russell@state.co.us>

Tue, Apr 23, 2024 at 9:01 AM

To: Joshua Adams <Joshua.Adams@newmont.com>

Cc: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>, Norma Townley <Norma.Townley2@newmont.com>, Katie Blake <Katie.Blake@newmont.com>, Johnna Gonzalez <Johnna.Gonzalez@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>, Nikie Gagnon - DNR <nikie.gagnon@state.co.us>, Hunter Ridley - DNR <hunter.ridley@state.co.us>, "West - DNR, Lucas" <lucas.west@state.co.us>, Zach Trujillo - DNR <zach.trujillo@state.co.us>

Josh,

Can you provide DRMS with an update on the status of the sample results of GV-06?

Thank you

Elliott Russell
Environmental Protection Specialist
Minerals Regulatory Program



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

I am working remotely and can be reached at 303.903.4456

Please note the Division's mailing address has changed

P 303.866.3567 x8132 | F 303.832.8106 | C 303.903.4456
Physical: 1313 Sherman Street, Room 215, Denver, CO 80203
Mailing: DRMS Room 215, 1001 E 62nd Ave, Denver, CO 80216
Elliott.Russell@state.co.us | <https://drms.colorado.gov>

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Joshua Adams <Joshua.Adams@newmont.com>

Tue, Apr 23, 2024 at 9:54 AM

To: "Elliott Russell (DNR-DRMS)" <elliott.russell@state.co.us>

Cc: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>, Norma Townley <Norma.Townley2@newmont.com>, Katie Blake <Katie.Blake@newmont.com>, Johnna Gonzalez <Johnna.Gonzalez@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>, Nikie Gagnon - DNR <nikie.gagnon@state.co.us>, Hunter Ridley - DNR <hunter.ridley@state.co.us>, "West - DNR, Lucas" <lucas.west@state.co.us>, Zach Trujillo - DNR <zach.trujillo@state.co.us>

Elliott,

The lab is working on finalizing the report and we anticipate it to be completed today. Once received, CC&V will distribute the results to DRMS. Let me know if you have questions. Thank you!



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Joshua Adams <Joshua.Adams@newmont.com>

Tue, Apr 23, 2024 at 4:47 PM

To: "Elliott Russell (DNR-DRMS)" <elliott.russell@state.co.us>

Cc: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>, Norma Townley <Norma.Townley2@newmont.com>, Katie Blake <Katie.Blake@newmont.com>, Johnna Gonzalez <Johnna.Gonzalez@newmont.com>, Antonio Matarrese <Antonio.Matarrese@newmont.com>, Nikie Gagnon - DNR <nikie.gagnon@state.co.us>, Hunter Ridley - DNR <hunter.ridley@state.co.us>, "West - DNR, Lucas" <lucas.west@state.co.us>, Zach Trujillo - DNR <zach.trujillo@state.co.us>

Elliott,

Attached are the draft results from the 4/15/24 sample collected at GV-06 compared to the applicable surface water standards. The lab is still finalizing the QC/peer review process but if anything changes from this version to the final, we will update and re-send. Let me know if you have questions. Thank you!



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From: Elliott Russell (DNR-DRMS) <elliott.russell@state.co.us>

Sent: Tuesday, April 23, 2024 9:01 AM

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Surface Water Calcs_GV06_DRAFT.pdf

113K

GV-06		
Sample Date:		4/15/2024
Data for Calculations:		
pH	6.57	std units
Hardness	76.4	mg/L
Temperature	2.1	Celsius
Regulation 32 (5 CCR 1002-32) COARUA24 Standards		
Physical	Acute	Chronic
pH (std. units)	6.5 - 9.0	---
Temperature (°C)	< 21.7	< 17
Inorganic	Acute (mg/L)	Chronic (mg/L)
Ammonia	6.598	31.701
Boron	0.750	---
Chloride	250.000	---
Chlorine	0.011	0.019
Cyanide (Free)	---	0.005
Nitrate	---	10.000
Nitrite	0.050	---
Sulfide	0.002	---
Sulfate	250.000	---
Phosphorus	0.110	---
Metals	Acute (mg/L)	Chronic (mg/L)
Arsenic	0.34000	---
Arsenic (T)	---	0.00500
Cadmium	0.00139	0.00059
Cadmium (T)	0.00500	---
Chromium (III)	---	0.05945
Chromium (III) (T)	0.05000	---
Hexavalent Chromium	0.01600	0.01100
Copper	0.01043	0.00712
Iron	---	0.30000
Iron (T)	---	1.00000
Lead	0.04812	0.00188
Lead (T)	0.05000	---
Manganese	2.72961	1.50812
Mercury (T)	---	0.00001
Molybdenum (T)	---	0.15000
Nickel	0.37287	0.04141
Nickel (T)	---	0.10000
Selenium	0.01840	0.00460
Silver	0.00128	0.00005
Uranium	1.78556	1.11531
Zinc	0.12526	0.09487

GV-06 Results
Physical
6.57
2.1
Inorganic
0.082
<0.0400
5.13
-
<0.005
0.722
<0.05
<0.040
18
0.166
Metals
<0.00100
<0.00100
<0.000100
<0.000100
<0.0110
<0.0160
<0.0100
0.00088
0.74
2.19
<0.00020
0.00091
1.89
0.00000536
<0.0080
<0.0100
<0.0100
<0.00100
<0.000061
0.000533
<0.0100

Temporary Modification for chronic arsenic concentration applied. See Regulation 5 CCR 1002-32 32.63

Bold text indicates that an Acute and/or Chronic standard has been exceeded.

- Invalid results, past regulatory hold time