



Cripple Creek & Victor
Gold Mining Company
P.O. Box 191
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Victor, Colorado 80860

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SENT VIA ELECTRONIC COMMUNICATION

April 11, 2024

Mr. Patrick Lennberg
Environmental Protection Specialist
Colorado Department of Natural Resources
Division of Reclamation, Mining and Safety
Office of Mined Land Reclamation
1313 Sherman Street, Room 215
Denver, Colorado 80203

RE: Additional Surface Water Monitoring Locations Required, Grassy Valley Surface Water Monitoring; Cresson Project; Permit No. M-1980-244

Dear Mr. Lennberg:

Cripple Creek and Victor Gold Mining Company (CC&V) received the Division of Reclamation, Mining, and Safety's (DRMS) *Additional Surface Water Monitoring Locations Required, Grassy Valley Surface Water Monitoring; Cresson Project*; Permit No. M-1980-244. CC&V has reviewed the additional information required in the letter dated March 13, 2024 from DRMS and has prepared the following responses. The DRMS comment (**in bold**) and CC&V's corresponding response (*in italics*) is presented below.

- 1. The Operator will provide the Division all historic analytical results for GV-04, GV-4.5, and GV-05 within 30 days of the date on this letter, by April 12, 2024.**

All available records for these locations are included in Attachment 1. Please note limited data is available for the GV-04 and GV-05 locations and no historic data was found for the GV-4.5 Spring location.

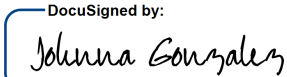
Should the Division require further information regarding the above responses, please do not hesitate to contact Josh Adams at 719-323-0438 or Joshua.Adams@Newmont.com or me at 719-851-4048 or Katie.Blake@Newmont.com.



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Sincerely,

p.p. 3AF21101E9CC41A...

Katie Blake
Sustainability & External Relations Manager
Cripple Creek & Victor Mine

EC: M. Cunningham – DRMS
E. Russell - DRMS
K. Blake - CC&V
J. Gonzalez – CC&V
J. Adams – CC&V



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Attachment 1

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Alkalinity, Bicarbonate (mg/l as CaCO3)	Alkalinity, Carbonate (mg/l as CaCO3)	Alkalinity, Total (mg/l as CaCO3)	Aluminum, Dissolved (mg/l as Al)	Arsenic, Dissolved (mg/l as As)	Arsenic, Total Recoverable in Water as As mg/l	Cadmium, Dissolved (mg/l as Cd)	Calcium, Total (mg/l as Ca)
05/27/2009	10:05	GV-04	101	0	82.4			-0.005	-0.001	30
08/06/2009	13:15	GV-04	142	0	116			-0.005	-0.001	37
09/10/2009	12:21	GV-04	143	0	117			-0.005	-0.001	42.6
08/18/2010	10:50	GV-04	148	0	121			-0.005	-0.001	37.6
06/22/2016	13:15	GV-04	33.7	0	27.6			-0.005	-0.001	129
08/15/2016	11:44	GV-04	34.1	0	28			-0.005	-0.001	139
08/24/2016	08:45	GV-04	51	0	41.8			-0.005	-0.001	126
08/30/2016	08:30	GV-04	61.1	0	50.1	0.012	-0.005		-0.001	110
08/31/2016	10:10	GV-04	47.4	0	38.9			-0.005	-0.001	115
09/07/2016	09:05	GV-04	67	0	54.9			-0.005	-0.001	118
09/14/2016	07:56	GV-04	78.5	0	64.3	-0.01	-0.005	-0.005	-0.001	110
09/21/2016	07:50	GV-04	90.5	0	74.2			-0.005	-0.001	102
09/28/2016	08:13	GV-04	102	0	83.8			-0.005	-0.001	84.4
10/05/2016	08:02	GV-04	114	0	93.5			-0.005	-0.001	70.2
11/29/2016	08:50	GV-04	119	0	97.4			-0.005	-0.001	61.8
12/21/2016	08:07	GV-04	91.4	0	74.9			-0.005	-0.001	40.1
02/22/2017	8:47	GV-04						-0.005	-0.001	
03/28/2017	8:14	GV-04						-0.005	-0.001	
05/27/2009	09:00	GV-05	95.5	0	78.3			-0.005	-0.001	30.6
08/06/2009	13:26	GV-05	151	0	124			-0.005	-0.001	35.9
09/10/2009	12:38	GV-05	154	0	126			-0.005	-0.001	47.5
08/18/2010	10:36	GV-05	150	0	123			-0.005	-0.001	40.5
08/24/2016	08:30	GV-05	32.6	0	26.7			-0.005	-0.001	23.9
08/31/2016	08:25	GV-05	23.2	0	19			-0.005	-0.001	10.9
09/07/2016	08:40	GV-05	21.5	0	17.6			-0.005	-0.001	10.1
09/14/2016	07:05	GV-05	23.6	0	19.3	0.099	-0.005	-0.005	-0.001	11
09/21/2016	07:08	GV-05	24.7	0	20.3			-0.005	-0.001	11.2
09/28/2016	07:34	GV-05	26.6	0	21.8			-0.005	-0.001	11.5
10/05/2016	07:26	GV-05	28.1	0	23			-0.005	-0.001	11.4
11/29/2016	08:17	GV-05	119	0	97.3			-0.005	-0.001	58.8
03/28/2017	8:06	GV-05						-0.005	-0.001	

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Chloride, Total in Water mg/l	Chromium, Dissolved (mg/l as Cr)	Chromium, Total Recoverable in Water as Cr mg/l	Copper, Dissolved (mg/l as Cu)	Cyanide Free, mg/l	Cyanide, Total (mg/l as CN)	Fluoride, Total (mg/l as F)
05/27/2009	10:05	GV-04	3		-0.001	-0.005	-0.01	-0.01	0.786
08/06/2009	13:15	GV-04	6		-0.001	-0.005	-0.01	-0.01	0.764
09/10/2009	12:21	GV-04	5.75		-0.001	-0.005	-0.01	-0.01	0.849
08/18/2010	10:50	GV-04	7.42		-0.001	-0.005	-0.01	-0.01	0.837
06/22/2016	13:15	GV-04	5.59		-0.001	-0.005	-0.01	-0.01	1.05
08/15/2016	11:44	GV-04	2.96		-0.001	-0.005	-0.01	-0.01	1.15
08/24/2016	08:45	GV-04	4.85		-0.001	-0.005	-0.01	-0.01	0.706
08/30/2016	08:30	GV-04	5	-0.001		-0.005	-0.01	-0.01	0.796
08/31/2016	10:10	GV-04	9.17		-0.001	-0.005	-0.01	-0.01	1
09/07/2016	09:05	GV-04	5.26		-0.001	-0.005	-0.01	-0.01	0.739
09/14/2016	07:56	GV-04	6.65	-0.001	-0.001	-0.005	-0.01	-0.01	0.732
09/21/2016	07:50	GV-04	6.5		-0.001	-0.005	-0.01	-0.01	0.774
09/28/2016	08:13	GV-04	6.34		-0.001	-0.005	-0.01	-0.01	0.766
10/05/2016	08:02	GV-04	8.87		-0.001	-0.005	-0.01	-0.01	0.729
11/29/2016	08:50	GV-04	8.01		-0.001	-0.005	-0.01	-0.01	0.706
12/21/2016	08:07	GV-04	7.05		-0.001	-0.005	-0.01	-0.01	0.538
02/22/2017	8:47	GV-04	6.78			-0.005	-0.01	-0.01	0.583
03/28/2017	8:14	GV-04	7.78			-0.005	-0.01	-0.01	0.719
05/27/2009	09:00	GV-05	3.75		-0.001	-0.005	-0.01	-0.01	0.764
08/06/2009	13:26	GV-05	6.5		-0.001	-0.005	-0.01	-0.01	0.856
09/10/2009	12:38	GV-05	7		-0.001	-0.005	-0.01	-0.01	0.868
08/18/2010	10:36	GV-05	8.36		-0.001	-0.005	-0.01	-0.01	0.951
08/24/2016	08:30	GV-05	7.23		-0.001	-0.005	-0.01	-0.01	1.95
08/31/2016	08:25	GV-05	3.94		-0.001	-0.005	-0.01	-0.01	1.87
09/07/2016	08:40	GV-05	3.32		-0.001	-0.005	-0.01	-0.01	2.1
09/14/2016	07:05	GV-05	3.86	-0.001	-0.001	-0.005	-0.01	-0.01	2.1
09/21/2016	07:08	GV-05	4.06		-0.001	-0.005	-0.01	-0.01	2.12
09/28/2016	07:34	GV-05	4.94		-0.001	-0.005	-0.01	-0.01	2.12
10/05/2016	07:26	GV-05	5.48		-0.001	-0.005	-0.01	-0.01	2.09
11/29/2016	08:17	GV-05	8.77		-0.001	-0.005	-0.01	-0.01	0.673
03/28/2017	8:06	GV-05	9.18			-0.005	-0.01	-0.01	0.662

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Hardness, Total (mg/l as CaCO3)	Iron, Dissolved (mg/l as Fe)	Iron, Total Recoverable in Water as Fe mg/l	Lead, Dissolved (mg/l as Pb)	Magnesium, Total (mg/l as Mg)	Manganese, Dissolved (mg/l as Mn)	Nickel, Dissolved (mg/l as Ni)	Nitrate Nitrogen, Total (mg/l as N)
05/27/2009	10:05	GV-04	109	0.38	2.25	-0.001	8.28	1.12	-0.005	-0.05
08/06/2009	13:15	GV-04	131	0.175	2.32	-0.001	9.29	0.309	-0.005	0.104
09/10/2009	12:21	GV-04	142	0.245	1.23	-0.001	8.76	0.74	-0.005	0.103
08/18/2010	10:50	GV-04	131	0.224	1.21	-0.001	8.92	0.601	-0.005	0.143
06/22/2016	13:15	GV-04	435	-0.05	0.33	-0.001	27.4	0.407	-0.005	0.541
08/15/2016	11:44	GV-04	467	-0.05	0.18	-0.001	29.4	0.655	0.008	0.714
08/24/2016	08:45	GV-04	432	0.054	0.256	-0.001	28.6	0.318	-0.005	0.729
08/30/2016	08:30	GV-04	380	-0.05		-0.001	25.4	0.423	-0.005	0.628
08/31/2016	10:10	GV-04	395	-0.05	0.982	-0.001	26.4	0.459	-0.005	0.423
09/07/2016	09:05	GV-04	411	0.076	0.458	-0.001	28.4	0.603	-0.005	0.732
09/14/2016	07:56	GV-04	373	0.092	0.658	-0.001	24.1	0.704	-0.005	0.584
09/21/2016	07:50	GV-04	346	0.119	0.943	-0.001	22	0.748	-0.005	0.489
09/28/2016	08:13	GV-04	292	0.103	1.16	-0.001	19.7	0.841	-0.005	0.413
10/05/2016	08:02	GV-04	238	0.131	1.07	-0.001	15.1	0.962	-0.005	0.372
11/29/2016	08:50	GV-04	213	0.184	2.75	-0.001	14.3	1.58	-0.005	0.729
12/21/2016	08:07	GV-04	134	-0.05	4.59	-0.001	8.23	0.045	-0.005	1.6
02/22/2017	8:47	GV-04		0.448		-0.001		2.5	-0.005	1.05
03/28/2017	8:14	GV-04		0.812		-0.001		5.96	-0.005	0.795
05/27/2009	09:00	GV-05	114	0.23	0.571	-0.001	9.15	0.571	-0.005	-0.05
08/06/2009	13:26	GV-05	130	0.117	0.731	-0.001	9.74	0.084	-0.005	-0.05
09/10/2009	12:38	GV-05	154	0.101	0.657	-0.001	8.7	0.127	-0.005	-0.05
08/18/2010	10:36	GV-05	144	0.121	0.319	-0.001	10.5	0.068	-0.005	-0.05
08/24/2016	08:30	GV-05	82.2	0.175	0.475	-0.001	5.46	0.201	-0.005	0.138
08/31/2016	08:25	GV-05	37.1	0.202	0.831	-0.001	2.41	0.106	-0.005	0.096
09/07/2016	08:40	GV-05	32.9	0.113	0.336	-0.001	1.84	0.078	-0.005	0.105
09/14/2016	07:05	GV-05	35.7	0.136	0.401	-0.001	1.99	0.081	-0.005	-0.05
09/21/2016	07:08	GV-05	36.1	0.145	0.4	-0.001	1.98	0.068	-0.005	0.08
09/28/2016	07:34	GV-05	36.7	0.118	0.285	-0.001	1.94	0.072	-0.005	0.102
10/05/2016	07:26	GV-05	36.6	0.145	0.302	-0.001	1.99	0.105	-0.005	0.129
11/29/2016	08:17	GV-05	207	0.139	1.37	-0.001	14.5	1.32	-0.005	0.246
03/28/2017	8:06	GV-05		0.233		-0.001		0.724	-0.005	0.089

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Nitrite Nitrogen, Total (mg/l as N)	Nitrogen, Ammonia, Total (mg/l as N)	Oxygen, Dissolved mg/L	pH, Field, Standard Units	pH, Lab, Standard Units	Phosphorous,total mg/L as P	Potassium, Total mg/l as K)	Selenium, Dissolved (mg/l as Se)
05/27/2009	10:05	GV-04	-0.05	-0.05	1.6	7.06			1.42	-0.005
08/06/2009	13:15	GV-04	-0.05	-0.05	4.2	7.6			1.53	-0.005
09/10/2009	12:21	GV-04	-0.05	-0.05	4.6	7.4			0.997	-0.005
08/18/2010	10:50	GV-04	-0.05	-0.05	2.8	7.57			1.76	-0.005
06/22/2016	13:15	GV-04	-0.05	-0.05	5.81	6.93	6.88	0.023	2.25	-0.005
08/15/2016	11:44	GV-04	-0.05	-0.05	3.68	6.75	7.26	0.022	2.48	-0.005
08/24/2016	08:45	GV-04	-0.05	-0.05	6.68	7.18	7.42	0.021	2.56	-0.005
08/30/2016	08:30	GV-04	-0.05	-0.05	6.78	7.49	7.41		2.92	-0.005
08/31/2016	10:10	GV-04	-0.05	-0.05		6.95	7.24	0.045	3.47	-0.005
09/07/2016	09:05	GV-04	-0.05	-0.05		7.1	7.15	0.073	1.9	-0.005
09/14/2016	07:56	GV-04	-0.05	-0.05	8.44	6.93	7.33	0.041	1.95	-0.005
09/21/2016	07:50	GV-04	-0.05	-0.05	7.12	6.82	7.41	0.037	2.1	-0.005
09/28/2016	08:13	GV-04	-0.05	-0.05	9.21	7.46	7.36	0.045	2	-0.005
10/05/2016	08:02	GV-04	-0.05	-0.05	11.32	7.08	7.35	0.07	2.4	-0.005
11/29/2016	08:50	GV-04	-0.05	0.075	5	7.04	7.47	0.035	2.72	-0.005
12/21/2016	08:07	GV-04	-0.05	-0.05	0.12	7.5	7.45	0.063	1.25	-0.005
02/22/2017	8:47	GV-04	-0.05			7.83				-0.005
03/28/2017	8:14	GV-04	-0.05			7.41				-0.005
05/27/2009	09:00	GV-05	-0.05	-0.05	2.1	7.4			2	-0.005
08/06/2009	13:26	GV-05	-0.05	-0.05	5.7	7.8			1.94	-0.005
09/10/2009	12:38	GV-05	-0.05	-0.05	5.7	7.87			1.43	-0.005
08/18/2010	10:36	GV-05	-0.05	-0.05	4.5	8			2.46	-0.005
08/24/2016	08:30	GV-05	-0.05	-0.05	10.42	7.11	7.59	0.013	1.47	-0.005
08/31/2016	08:25	GV-05	-0.05	-0.05		7.52	7.32	0.048	1.21	-0.005
09/07/2016	08:40	GV-05	-0.05	-0.05		6.54	7.17	-0.01	1.01	-0.005
09/14/2016	07:05	GV-05	-0.05	-0.05	8.46	6.38	7.25	0.01	0.78	-0.005
09/21/2016	07:08	GV-05	-0.05	-0.05	8.14	6.42	7.45	-0.01	1.04	-0.005
09/28/2016	07:34	GV-05	-0.05	-0.05	11.11	7.68	7.15	0.01	1.06	-0.005
10/05/2016	07:26	GV-05	-0.05	-0.05	14.64	7.13	7.19	-0.01	1.15	-0.005
11/29/2016	08:17	GV-05	-0.05	-0.05	9.35	7.02	7.76	0.034	2.16	-0.005
03/28/2017	8:06	GV-05	-0.05			7.54				-0.005

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Silver, Dissolved (mg/l as Ag)	Sodium, Total (mg/l as Na)	Specific Conductance (umhos/cm @ 25C)	Specific Conductance,Field (umhos/cm @ 25C)	Sulfate, Total (mg/l as SO4)	Temperature, Water (Degrees Fahrenheit)	Total Dissolved Solids, mg/l	Total Suspend Solids, mg/l
05/27/2009	10:05	GV-04	-0.001	19.1	344	323	58.9	55	212	-10
08/06/2009	13:15	GV-04	-0.001	13.8	326	325	29.9	73.9	175	32
09/10/2009	12:21	GV-04	-0.001	12	330	324	37.6	58.8	192	-10
08/18/2010	10:50	GV-04	-0.001	14.7	336	309	37.3	66.2	213	-10
06/22/2016	13:15	GV-04	-0.001	21.9	899	884	445	62.6	676	-10
08/15/2016	11:44	GV-04	-0.001	20.1	961	916	481	62.6	657	-10
08/24/2016	08:45	GV-04	-0.001	20.7	890	866	421	45.3	651	-10
08/30/2016	08:30	GV-04	-0.001	18.9	790	779	343	43.7	584	-10
08/31/2016	10:10	GV-04	-0.001	16	767	462	365	47.8	536	-10
09/07/2016	09:05	GV-04	-0.001	21.3	829	795	363	44.3	585	-10
09/14/2016	07:56	GV-04	-0.001	21.2	791	782	339	43	567	-10
09/21/2016	07:50	GV-04	-0.001	20.7	735	627	293	44.4	521	-10
09/28/2016	08:13	GV-04	-0.001	22.5	640	669	231	38.6	436	47
10/05/2016	08:02	GV-04	-0.001	21.5	564	477	181	34.1	398	-10
11/29/2016	08:50	GV-04	-0.001	22.3	507	492	142	32.9	330	15
12/21/2016	08:07	GV-04	-0.001	18.4	345	216	77.3	36.9	18	22
02/22/2017	8:47	GV-04	-0.001				85		208	35
03/28/2017	8:14	GV-04	-0.001				88.5		245	11
05/27/2009	09:00	GV-05	-0.001	15.1	347	332	65.1	44.6	214	-10
08/06/2009	13:26	GV-05	-0.001	13.7	338	330	28.3	64.9	211	-10
09/10/2009	12:38	GV-05	-0.001	11.3	342	330	34.9	51.8	199	-10
08/18/2010	10:36	GV-05	-0.001	16.1	366	331	48.8	55.4	229	-10
08/24/2016	08:30	GV-05	-0.001	8.4	211	203	51.6	46.9	105	-10
08/31/2016	08:25	GV-05	-0.001	5.02	112	203	17.3	49.1	68	-10
09/07/2016	08:40	GV-05	-0.001	5.29	93.4	87	12.3	46	92	-10
09/14/2016	07:05	GV-05	-0.001	5.75	96.7	95	11.4	46.5	54	-10
09/21/2016	07:08	GV-05	-0.001	5.6	97.1	80	10.7	47.4	56	-10
09/28/2016	07:34	GV-05	-0.001	5.47	100	105	-10	39.6	60	-10
10/05/2016	07:26	GV-05	-0.001	6.07	104	89	9.3	33.7	82	-10
11/29/2016	08:17	GV-05	-0.001	17.3	488	2930	138	31.8	307	-10
03/28/2017	8:06	GV-05	-0.001				87		222	-10

Water Quality Monitoring Data

Sample Date	Sample Time	Sample Identifier	Weak Acid Dissociable Cyanide, mg/l	Zinc, Dissolved (mg/l as Zn)
05/27/2009	10:05	GV-04	-0.01	-0.05
08/06/2009	13:15	GV-04	-0.01	-0.05
09/10/2009	12:21	GV-04	-0.01	-0.05
08/18/2010	10:50	GV-04	-0.01	-0.05
06/22/2016	13:15	GV-04	-0.01	-0.05
08/15/2016	11:44	GV-04	-0.01	0.064
08/24/2016	08:45	GV-04	-0.01	-0.05
08/30/2016	08:30	GV-04	-0.01	-0.05
08/31/2016	10:10	GV-04	-0.01	-0.05
09/07/2016	09:05	GV-04	-0.01	-0.05
09/14/2016	07:56	GV-04	-0.01	-0.05
09/21/2016	07:50	GV-04	-0.01	-0.05
09/28/2016	08:13	GV-04	-0.01	-0.05
10/05/2016	08:02	GV-04	-0.01	-0.05
11/29/2016	08:50	GV-04	-0.01	-0.05
12/21/2016	08:07	GV-04	-0.01	-0.05
02/22/2017	8:47	GV-04	-0.01	-0.05
03/28/2017	8:14	GV-04	-0.01	-0.05
05/27/2009	09:00	GV-05	-0.01	-0.05
08/06/2009	13:26	GV-05	-0.01	-0.05
09/10/2009	12:38	GV-05	-0.01	-0.05
08/18/2010	10:36	GV-05	-0.01	-0.05
08/24/2016	08:30	GV-05	-0.01	-0.05
08/31/2016	08:25	GV-05	-0.01	-0.05
09/07/2016	08:40	GV-05	-0.01	-0.05
09/14/2016	07:05	GV-05	-0.01	-0.05
09/21/2016	07:08	GV-05	-0.01	-0.05
09/28/2016	07:34	GV-05	-0.01	-0.05
10/05/2016	07:26	GV-05	-0.01	-0.05
11/29/2016	08:17	GV-05	-0.01	-0.05
03/28/2017	8:06	GV-05	-0.01	-0.05