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July 10, 2023

Richard Dwyer
Manager of Licencing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU
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Dear Mr. Dwyer,

Re. 2BM-ULU2030 Part J Item 14 – Monthly Monitoring Program, June 2023

Further to Part J Item 14 of 2BM-ULU2030, Blue Star Gold Corp. (Blue Star) is pleased to provide the following in fulfillment of monthly monitoring requirements during periods of site activity. Activities commenced/ongoing at Ulu throughout June included camp operations, compliance monitoring, waste management, and exploration. Results for monitoring stations listed in Table 1 are provided in Tables 2 and 3.

Table1. Applicable monitoring stations, June 2023

Station ID	Station Description	Comment
ULU-1	Water Intake at West Lake	See Table 2
ULU-2	Sewage effluent discharge point	Inactive, facility decommissioned
ULU-3	Sewage treatment facility sludge	Inactive, facility decommissioned
ULU-4	Minewater pumped from underground Mine Sump	Not discharging
ULU-4b	Surface retention pond	Pond not constructed
ULU-5	Settling/Neutralization Pond 1	Pond not constructed
ULU-6	Settling/Neutralization Pond 1	Pond not constructed
ULU-7	Runoff from the waste rock storage area	No flow observed
ULU-8	Runoff from the ore storage area	See table 3
ULU-9	Outflow East Lake	See table 3
ULU-10	Inflow Ulu Lake from East Lake	Inactive, facility decommissioned
ULU-11	Outflow Ulu Lake	See Table 3
ULU-12	Domestic water intake for new camp	New camp not constructed
ULU-13	Soil treatment facility water holding pond	Facility not yet constructed
ULU-14 Ulu-14c	Bulk fuel storage facility / Other fuel storage berm	Temporarily withdrawn from service; See table 3
ULU-15	Landfill facility	See table 3
MW-1, -2, -3	Monitoring wells at soil treatment facility.	Facility not constructed, wells not installed

Table 2. ULU-1 Daily volume, June 2023 (domestic and drilling water use).

Date	Volume (m ³)			
	Domestic	Drilling	Core cutting*	Daily Total
1	0.00	-	-	0.00
2	0.00	-	-	0.00
3	0.00	-	-	0.00
4	0.00	-	-	0.00
5	4.59	-	-	4.59
6	1.70	-	-	1.70
7	0.00	-	-	0.00
8	1.96	-	-	1.96
9	1.15	-	-	1.15
10	1.65	-	-	1.65
11	1.52	-	-	1.52
12	2.14	-	-	2.14
13	1.62	-	-	1.62
14	2.54	-	-	2.54
15	1.38	-	-	1.38
16	3.72	-	-	3.72
17	0.00	-	-	0.00
18	2.28	-	-	2.28
19	1.59	-	-	1.59
20	2.19	-	-	2.19
21	2.79	-	-	2.79
22	1.84	-	-	1.84
23	2.23	-	-	2.23
24	2.66	-	-	2.66
25	2.30	-	-	2.30
26	2.56	-	-	2.56
27	2.84	-	-	2.84
28	2.49	-	-	2.49
29	1.82	-	-	1.82
30	1.91	-	-	1.91

*Core cutting water is included in the domestic extraction.

Table 3. Results for ULU-8, ULU-9, ULU-11, ULU-14c and ULU-15, June 2023.

	Units	Detection Limits	ULU-8	ULU 9	ULU-11	ULU 14c	ULU-15
Date			June 12	June 19	June 19	June 13	June 11
Flow	L/sec		0	4.7	1300	-	0.007
pH	Field		6.3	6.32	6.34	-	7.17
	Lab		6.57	6.36	6.31	6.75	7.87
Conductivity	uS/cm	2.0	690	90	43	100	830
Total Suspended Solids	mg/L	1.0	2.2	<1.0	<1.0	7.1	2.0
Alkalinity (PP as CaCO3)	mg/L	1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)	mg/L	1.0	23	6.2	4.4	29	130
Dissolved Chloride (Cl)	mg/L	1.0	13	3.4	<1.0	6.5	28
Dissolved Sulphate (SO4)	mg/L	1.0-5.0	290	26	10	3.0	280
Fecal Coliforms	CFU/100mL	1		<1	<1		
Total Ammonia (N)	mg/L	0.015-0.075	<0.015	<0.015	<0.015	7.4	0.24
Dissolved Nitrite (N)	mg/L	0.010	<0.010	<0.010	<0.010	<0.010	0.023
Dissolved Nitrate (N)	mg/L	0.010	0.32	<0.010	0.010	0.16	0.56
Turbidity	NTU	0.10	0.89	<0.10	0.14	10	2.0
Total Mercury (Hg)	ug/L	0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019
Total Arsenic (As)	ug/L	0.020-0.10	0.803	0.213	0.071	1.77	1.33
Total Cadmium (Cd)	ug/L	0.010-0.0050	0.0477	0.0174	0.0093	0.077	0.467
Total Copper (Cu)	ug/L	0.050-0.50	2.06	1.72	1.96	10.1	6.02
Total Lead (Pb)	ug/L	0.0050-0.20	0.0308	0.0123	0.0098	1.34	0.182
Total Nickel (Ni)	ug/L	0.020-1.0	6.98	1.42	2.92	3.6	3.61
Total Zinc (Zn)	ug/L	0.10-5.0	40.9	3.26	6.98	181	330
F2 (C10-C16 Hydrocarbons)	mg/L	0.10				<0.10	<0.10
F3 (C16-C34 Hydrocarbons)	mg/L	0.10				<0.10	0.16
F4 (C34-C50 Hydrocarbons)	mg/L	0.20				<0.20	<0.20
Benzene	ug/L	0.40				<0.40	<0.40
Toluene	ug/L	0.40				<0.40	<0.40
Ethylbenzene	ug/L	0.40				<0.40	<0.40
m & p-Xylene	ug/L	0.80				<0.80	<0.80
o-Xylene	ug/L	0.40				<0.40	<0.40
Xylenes (Total)	ug/L	0.89				<0.89	<0.89
F1 (C6-C10) - BTEX	ug/L	100				<100	<100
F1 (C6-C10)	ug/L	100				<100	<100

Due to higher than acceptable concentrations of lead in ULU-14c, the berm was not discharged.

Should you have any questions about this report, don't hesitate to reach out.

Regards,

Ollie Roberts

Environmental Technician

Blue Star Gold Corp.

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cc. T. Bolt, Kitikmeot Inuit Association
B. Pedersen, Crown-Indigenous Relations and Northern Affairs Canada
S. Kuflevskiy, Nunavut Water Board
D. Lindsay, Blue Star Gold Corp.