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September 13th, 2022

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, August 2022

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 ongoing at Ulu throughout August included: Camp operations, compliance monitoring, waste management and exploration including diamond drilling. Results for monitoring stations listed in Table 1 are provided in Tables 2 and 3.

Table 1. Applicable monitoring stations, August 2022

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	Not discharging
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 run-off observed
ULU-8	Runoff from the ore storage area	No run-off observed
ULU-9	Outflow East Lake	No run-off observed
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ULU-14	Bulk fuel storage facility	Temporarily withdrawn from service
ULU-15	Landfill facility	No run-off observed
MW-1, -2, -3	Monitoring wells at soil treatment facility.	Facility not constructed; wells not installed

Table 2. ULU-1 Daily volume, August 2022 (domestic and drilling water use).

Date	Volume (m ³)			
	Domestic	Drilling	Core cutting*	Daily Total
1	3.51	34.00	-	37.51
2	1.96	44.50	-	46.46
3	3.78	42.40	-	46.18
4	2.72	34.20	-	36.92
5	2.23	31.41	-	33.64
6	2.13	23.48	-	25.61
7	2.38	35.32	-	37.70
8	1.77	34.80	-	36.57
9	5.73	20.50	-	26.23
10	2.09	34.47	-	36.56
11	2.02	22.04	-	22.06
12	2.08	34.54	-	36.62
13	2.66	37.57	-	40.23
14	1.82	38.19	-	40.01
15	4.29	33.46	-	37.75
16	2.07	35.84	-	37.91
17	3.49	28.52	-	32.01
18	3.94	36.89	-	40.83
19	2.20	26.94	-	29.14
20	1.52	42.27	-	43.79
21	2.56	40.53	-	43.09
22	1.91	31.39	-	33.30
23	1.92	30.67	-	32.59
24	3.85	28.75	-	32.60
25	2.04	31.07	-	33.11
26	2.45	14.35	-	16.80
27	3.35	0.00	-	3.35
28	1.83	0.00	-	1.83
29	2.48	0.00	-	2.48
30	1.17	0.00	-	1.17
31	0.92	0.00	-	0.92

*Core cutting water is included in the domestic extraction

Table 3. Results for ULU-7, ULU-8, ULU-9, ULU-11, and ULU-15, August 2022.

	Units	Detection Limits	ULU-7	ULU-8	ULU-9	ULU-11	ULU-15
Date			-	-	-	August 22 nd , 2022	-
Flow	L/sec		-	-	-	220	-
pH	Field		-	-	-	7.92	-
	Lab		-	-	-	6.13	-
Conductivity	uS/cm		-	-	-	36.00	-
Total Suspended Solids	mg/L	1.0	-	-	-	<1.0	-
Alkalinity (PP as CaCO3)	mg/L	1.0	-	-			-
Alkalinity (Total as CaCO3)	mg/L	1.0	-	-			-
Dissolved Chloride (Cl)	mg/L	1.0	-	-			-
Dissolved Sulphate (SO4)	mg/L	1.0					-
Fecal Coliforms	MPN/100mL				-	<1	-
Total Ammonia (N)	mg/L	0.015	-	-			-
Dissolved Nitrite (N)	mg/L	0.010	-	-			-
Dissolved Nitrate (N)	mg/L	0.010	-	-			-
Turbidity	NTU	0.10	-	-			-
Total Mercury (Hg)	ug/L	0.0019	-	-	-	<0.0019	-
Total Arsenic (As)	ug/L	0.020	-	-	-	0.098	-
Total Cadmium (Cd)	ug/L	0.0050	-	-	-	0.0071	-
Total Copper (Cu)	ug/L	0.0050	-	-	-	1.64	-
Total Lead (Pb)	ug/L	0.0050	-	-	-	0.0116	-
Total Nickel (Ni)	ug/L	0.020	-	-	-	1.13	-
Total Zinc (Zn)	ug/L	0.10	-	-	-	4.44	-
F2 (C10-C16 Hydrocarbons)	mg/L	0.10					-
F3 (C16-C34 Hydrocarbons)	mg/L	0.10					-
F4 (C34-C50 Hydrocarbons)	mg/L	0.20					-
Benzene	ug/L	0.40					-
Toluene	ug/L	0.40					-
Ethylbenzene	ug/L	0.40					-
m & p-Xylene	ug/L	0.80					-
o-Xylene	ug/L	0.40					-
Xylenes (Total)	ug/L	0.89					-
F1 (C6-C10) - BTEX	ug/L	100					-
F1 (C6-C10)	ug/L	100					-

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

Regards,

Marvin Liedtke

Environmental Technician

Blue Star Gold Corp.

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778-379-1433

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.