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August 10<sup>th</sup>, 2022

Richard Dwyer  
Manager of Licencing  
Nunavut Water Board  
PO Box 119  
Gjoa Haven, NU  
X0B 1J0

Dear Mr. Dwyer,

**Re. 2BM-ULU2030 Part J Item 14 – Monthly Monitoring Program, July 2022**

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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 July 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, July 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ULU-14	Bulk fuel storage facility	Temporarily withdrawn from service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, July 2022 (domestic and drilling water use).*

Date	Volume (m <sup>3</sup> )			
	Domestic	Drilling	Core cutting*	Daily Total
1	3.74	0	-	3.74
2	2.87	22.95	-	25.82
3	2.03	42.01	-	44.04
4	3.60	31.73	-	35.33
5	3.08	35.56	-	38.64
6	1.29	33.39	-	34.68
7	4.44	38.89	-	43.33
8	1.12	39.73	-	40.85
9	2.89	35.98	-	38.87
10	2.52	30.44	-	32.96
11	1.75	32.44	-	34.19
12	3.41	25.08	-	28.49
13	4.60	25.36	-	29.96
14	2.12	42.14	-	44.26
15	2.90	34.4	-	37.3
16	2.54	32.46	-	35
17	2.86	33.54	-	36.4
18	3.03	35.55	-	38.58
19	2.61	0	-	2.61
20	4.62	34.57	-	39.19
21	2.35	41.89	-	44.24
22	3.22	40.57	-	43.79
23	3.90	38.52	-	42.42
24	2.18	33.63	-	35.81
25	5.24	34.3	-	39.54
26	4.37	41.4	-	45.77
27	1.85	20.57	-	22.42
28	1.85	22.13	-	23.98
29	1.72	22.55	-	24.27
30	3.62	26.2	-	29.82
31	2.24	0	-	2.24

*\*Core cutting water is included in the domestic extraction*

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

	Units	Detection Limits	ULU-7	ULU-8	ULU-9	ULU-11	ULU-15
Date			-	-	-	July 25 <sup>th</sup> , 2022	-
Flow	L/sec		-	-	-	1000	-
pH	Field		-	-	-	7.02	-
	Lab		-	-	-	6.30	-
Conductivity	uS/cm		-	-	-	34	-
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	-	-	-	0.082	-
Total Cadmium (Cd)	ug/L	0.0050	-	-	-	<0.0050	-
Total Copper (Cu)	ug/L	0.0050	-	-	-	1.75	-
Total Lead (Pb)	ug/L	0.0050	-	-	-	<0.0050	-
Total Nickel (Ni)	ug/L	0.020	-	-	-	1.33	-
Total Zinc (Zn)	ug/L	0.10	-	-	-	3.55	-
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,

Liam West

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.