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9 September 2024

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, AUGUST**

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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 ongoing at Ulu Camp throughout August included camp operations, compliance monitoring, waste management, and exploration. Results for monitoring stations listed in Table 1 are provided in Table 3.

**Table 1. Applicable monitoring stations, AUGUST 2024**

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 effluent discharge point	Inactive, facility decommissioned
ULU-4	Mine water pumped from underground Mine Sump	No underground operations. Not discharging
ULU-4b	Portal Surface Retention Pond	Not discharging.
ULU-5	Settling/Neutralization Pond	Pond not constructed
ULU-6	Settling/Neutralization Pond	Pond not constructed
ULU-7	Runoff from Waste Rock Pile	Not flowing.
ULU-8	Runoff from Ore Pad	See Table 3
ULU-9	Outflow from East Lake	Not flowing.
ULU-10	Ulu Lake Inflow from East Lake	Decommissioned
ULU-11	Ulu Lake Outflow	See Table 3
ULU-12	Domestic water intake for new camp	New camp not constructed
ULU-13	Soil treatment facility water holding pond	Pond not constructed
ULU-14	Airstrip Bulk Fuel Storage Facility	Not yet constructed for the season
ULU-15	Landfill Facility	Not flowing.
MW-1, -2, -3	Monitoring well at soil treatment facility	Facility not constructed; wells not installed

**Table 2.** ULU-1 Daily volume, **AUGUST 2024** (domestic and drilling water use).

Date	Volume (m <sup>3</sup> )		
	Domestic*	Drilling	Total
1	2.40	125.16	127.56
2	2.45	106.74	109.19
3	3.01	129.42	132.43
4	3.15	122.35	125.50
5	3.13	115.85	118.98
6	3.27	120.62	123.89
7	1.71	63.29	65.00
8	2.69	66.96	69.65
9	3.30	63.05	66.35
10	3.30	34.84	38.14
11	2.71	41.52	44.23
12	2.51	46.53	49.04
13	2.58	89.73	92.31
14	2.21	112.47	114.68
15	3.16	48.58	51.74
16	2.82	112.18	115.00
17	2.93	112.19	115.12
18	3.36	110.53	113.89
19	3.06	114.67	117.73
20	3.75	-	3.75
21	4.02	-	4.02
22	2.78	-	2.78
23	2.72	-	2.72
24	3.25	-	3.25
25	2.22	-	2.22
26	3.05	-	3.05
27	2.35	-	2.35
28	2.72	-	2.72
29	1.60	-	1.60
30	1.64	-	1.64
31	1.54	-	1.54
*Core-cutting water is included in the domestic extraction			

Table 4. Results for Compliance Stations, **AUGUST 2024.**

	Units	Detection Limits	ULU-8	ULU-11
Date			August 8	August 14
pH	Field		6.33	7.01
	Lab		6.46	6.39
Conductivity	uS/cm	2.0	1200	66
Total Suspended Solids	mg/L	1.0	<1.0	<1.0
Total Dissolved Solids	mg/L	10	800	32
Alkalinity (PP as CaCO3)	mg/L	1.0	<1.0	<1.0
Alkalinity (Total as CaCO3)	mg/L	1.0	27	6.0
Chloride (Cl)	mg/L	1.0	110	<1.0
Sulphate (SO4)	mg/L	1.0	380	19
Fecal Coliforms	CFU/100 mL	1	n/a	<1.0
Total Ammonia (N)	mg/L	0.015	0.36	<0.015
Dissolved Nitrite (N)	mg/L	0.01	0.062	<0.010
Dissolved Nitrate (N)	mg/L	0.01	7.4	0.017
Turbidity	NTU	0.10	0.12	<0.10
Total Mercury (Hg)	ug/L	0.0019	0.0028	<0.0019
Total Arsenic (As)	ug/L	0.020	1.89	0.080
Total Cadmium (Cd)	ug/L	0.0050	0.310	0.0136
Total Calcium (Ca)	ug/L	0.050	130	5.07
Total Copper (Cu)	ug/L	0.050	2.36	1.49
Total Lead (Pb)	ug/L	0.0050	0.0187	0.0196
Total Nickel (Ni)	ug/L	0.020	14.0	1.47
Total Sodium (Na)	ug/L	0.050	75.8	1.19
Total Zinc (Zn)	ug/L	0.10	160	6.34
F1 (C6-C10) - BTEX	ug/L	100	n/a	n/a
F2 (C10-C16 Hydrocarbons)	mg/L	0.10	n/a	n/a
F3 (C16-C34 Hydrocarbons)	mg/L	0.10	n/a	n/a
F4 (C34-C50 Hydrocarbons)	mg/L	0.20	n/a	n/a

Please don't hesitate to reach out if you have any questions or concerns about this report.

Kindest regards,

Annabelle Perry

Environmental Technician

Blue Star Gold Corp.

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cc.      Lands & Project Officer, Kitikmeot Inuit Association  
            J. Bolt, Crown-Indigenous Relations and Northern Affairs Canada  
            D. Lindsay, Blue Star Gold Corp