

12 July 2008

AMEC File: VE51295.3100

Via E-Mail

Chief Administrative Officer
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Attention: Ms. Phyllis Beaulieu

Dear Ms. Beaulieu,

Reference: Tahera Diamond Corporation Jericho Diamond Mine Monthly SNP Report for June 2008

On behalf of Tahera Diamond Corporation (Tahera), AMEC Earth & Environmental (AMEC) is pleased to provide Nunavut Water Board (NWB) with the Jericho Diamond Mine (Jericho) monthly report for June 2008 as required under Water Licence 2AM-JER0410.

SNP Sampling

During the month of April 2008 samples were collected as required for the SNP sampling program. A summary of the sampling is provided in Table 1.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-SW1	19 June 2008	L645007/280286	ALS/Taiga
JER-SW4	19 June 2008	L645007	ALS
JER-WQ1	19 June 2008	L645007/280286	ALS/Taiga
JER-WQ2	19 June 2008	L645007	ALS

All samples were collected as per requirements under Water License 2AM-JER0410. Sample locations not listed in Table 1 were not required to be sampled during the month of June.

Note:

- Ice conditions on area lakes did not permit collection of environmental samples.
- The diamond plant did not operate in June.

Results

Water Sampling and Analysis Results

Table 2 provides the results for samples related to the SNP sampling requirements for the month of June 2008.

Flow and Volume Measurements

Table 3 provides a breakdown of flow and volume measurements and solid material moved as required under Part K, Item 12 and 13 of the water license.

Should you have any questions regarding the monthly report for April 2008 please contact the undersigned.

Yours truly,

A handwritten signature in black ink, appearing to read "Bruce Ott", with a stylized flourish at the end.

Senior Associate
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E-mail bruce.ott@amec.com

c. G. Missal, M. Johnson, A. Coster: Tahera

Project	JERICHO
Report To	
ALS File No.	L645007
Date Received	20-Jun-08
Date	09-Jul-08

RESULTS OF ANALYSIS

Units						
Sample ID	JER-WQ1	JER-WQ2	JER-SW1 (STP)	STP-OUT	JER-SW4	
Date Sampled	19-Jun-08	19-Jun-08	19-Jun-08	19-Jun-08	19-Jun-08	
Time Sampled	07:00	07:00	07:00	07:00	07:00	
ALS Sample ID	L645007-1	L645007-2	L645007-3	L645007-4	L645007-5	
Matrix	Water	Water	Water	Water	Water	

Physical Tests

Conductivity	uS/cm	-	218	-	597	255
Hardness (as CaCO3)	mg/L	1.83	69.3	60.7	-	78.1
pH		-	7.31	-	6.41	7.57
Total Suspended Solids	mg/L	<3.0	9.3	-	54.8	<3.0
Total Dissolved Solids	mg/L	-	145	-	411	169
Turbidity	NTU	-	9.65	-	32.4	0.86

Anions and Nutrients

Acidity (as CaCO3)	mg/L	-	2.1	-	14.3	1.9
Alkalinity, Bicarbonate (as CaCO3)	mg/L	-	41.6	-	11.4	59.2
Alkalinity, Carbonate (as CaCO3)	mg/L	-	<1.0	-	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	-	<1.0	-	<1.0	<1.0
Alkalinity, Total (as CaCO3)	mg/L	-	41.6	-	11.4	59.2
Ammonia as N	mg/L	-	0.414	-	2.84	0.119
Chloride (Cl)	mg/L	-	9.77	-	31.6	13.1
Nitrate (as N)	mg/L	-	9.82	-	33.3	12.3
Nitrite (as N)	mg/L	-	0.0609	-	0.0534	0.0822
Ortho Phosphate as P	mg/L	-	0.0013	-	0.0738	<0.0010
Total Dissolved Phosphate As P	mg/L	-	0.0038	-	6.58	0.0048
Total Phosphate as P	mg/L	-	0.0242	-	7.58	0.0127
Sulfate (SO4)	mg/L	-	15.1	-	70	20.1

Organic / Inorganic Carbon

Total Inorganic Carbon	mg/L	-	7.15	-	<0.50	7.76
Total Organic Carbon	mg/L	-	2.47	-	20.5	2.55

Total Metals

Aluminum (Al)-Total	mg/L	0.0303	0.272	0.23	-	0.0291
Antimony (Sb)-Total	mg/L	<0.00010	0.00025	0.0204	-	0.00038
Arsenic (As)-Total	mg/L	<0.00010	0.00044	0.00117	-	0.0003
Barium (Ba)-Total	mg/L	0.00147	0.0457	0.0224	-	0.054
Beryllium (Be)-Total	mg/L	<0.00050	<0.00050	<0.00050	-	<0.00050
Bismuth (Bi)-Total	mg/L	<0.00050	<0.00050	0.00228	-	<0.00050
Boron (B)-Total	mg/L	<0.010	0.026	0.172	-	0.033
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050	0.000422	-	<0.000050
Calcium (Ca)-Total	mg/L	0.46	16	16.9	-	18
Chromium (Cr)-Total	mg/L	<0.00050	<0.00050	0.00278	-	<0.00050
Cobalt (Co)-Total	mg/L	<0.00010	0.00025	0.00126	-	0.00016
Copper (Cu)-Total	mg/L	0.00056	0.00251	0.255	-	0.00209
Iron (Fe)-Total	mg/L	0.036	0.243	0.989	-	<0.030
Lead (Pb)-Total	mg/L	0.000073	0.000823	0.00263	-	0.000088
Lithium (Li)-Total	mg/L	<0.0050	<0.0050	0.146	-	<0.0050
Magnesium (Mg)-Total	mg/L	0.27	7.82	5.15	-	9.08
Manganese (Mn)-Total	mg/L	0.00426	0.0251	0.0753	-	0.0182
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	-	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	0.00344	0.00226	-	0.00387
Nickel (Ni)-Total	mg/L	0.00075	0.0037	0.0272	-	0.00396

Sample ID		JER-WQ1	JER-WQ2	JER-SW1 (STP)	STP-OUT	JER-SW4
Date Sampled		19-Jun-08	19-Jun-08	19-Jun-08	19-Jun-08	19-Jun-08
Time Sampled		07:00	07:00	07:00	07:00	07:00
ALS Sample ID		L645007-1	L645007-2	L645007-3	L645007-4	L645007-5
Potassium (K)-Total	mg/L	<0.50	7.27	18.9	-	9.17
Selenium (Se)-Total	mg/L	<0.0010	<0.0010	<0.0010	-	<0.0010
Silicon (Si)-Total	mg/L	0.126	1.94	1.43	-	1.36
Silver (Ag)-Total	mg/L	<0.000010	<0.000010	0.00007	-	<0.000010
Sodium (Na)-Total	mg/L	<0.50	11	82.3	-	14.1
Strontium (Sr)-Total	mg/L	0.00205	0.278	0.0251	-	0.352
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010	<0.00010	-	<0.00010
Tin (Sn)-Total	mg/L	0.00041	0.00035	0.00165	-	0.00054
Titanium (Ti)-Total	mg/L	<0.010	<0.010	<0.010	-	<0.010
Uranium (U)-Total	mg/L	0.000113	0.00677	0.000217	-	0.00349
Vanadium (V)-Total	mg/L	<0.0010	<0.0010	<0.0010	-	<0.0010
Zinc (Zn)-Total	mg/L	<0.0010	<0.0030	1.06	-	<0.0050
Dissolved Metals						
Aluminum (Al)-Dissolved	mg/L	0.0159	0.247	0.19	-	0.0221
Antimony (Sb)-Dissolved	mg/L	<0.00010	0.00028	0.0132	-	0.00033
Arsenic (As)-Dissolved	mg/L	<0.00010	0.00046	0.00119	-	0.00032
Barium (Ba)-Dissolved	mg/L	0.00126	0.0478	0.0232	-	0.0551
Beryllium (Be)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	-	<0.00050
Bismuth (Bi)-Dissolved	mg/L	<0.00050	<0.00050	0.00211	-	<0.00050
Boron (B)-Dissolved	mg/L	<0.010	0.025	0.158	-	0.03
Cadmium (Cd)-Dissolved	mg/L	<0.000050	<0.000050	0.00043	-	<0.000050
Calcium (Ca)-Dissolved	mg/L	0.383	15.4	16.3	-	17.2
Chromium (Cr)-Dissolved	mg/L	<0.00050	<0.00050	0.00205	-	<0.00050
Cobalt (Co)-Dissolved	mg/L	<0.00010	0.00027	0.00121	-	0.00014
Copper (Cu)-Dissolved	mg/L	0.00048	0.00234	0.255	-	0.00151
Iron (Fe)-Dissolved	mg/L	<0.030	0.25	0.84	-	<0.030
Lead (Pb)-Dissolved	mg/L	<0.000050	0.000727	0.00251	-	<0.000050
Lithium (Li)-Dissolved	mg/L	<0.0050	<0.0050	0.13	-	<0.0050
Magnesium (Mg)-Dissolved	mg/L	0.213	7.5	4.87	-	8.53
Manganese (Mn)-Dissolved	mg/L	0.00348	0.024	0.0719	-	0.017
Mercury (Hg)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	-	<0.000050
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	0.00338	0.000523	-	0.00382
Nickel (Ni)-Dissolved	mg/L	0.00057	0.00383	0.0256	-	0.00372
Potassium (K)-Dissolved	mg/L	<0.50	7.25	18.5	-	8.85
Selenium (Se)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	-	<0.0010
Silicon (Si)-Dissolved	mg/L	0.105	2	1.28	-	1.39
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000010	<0.000010	-	<0.000010
Sodium (Na)-Dissolved	mg/L	<0.50	10.6	86	-	13.1
Strontium (Sr)-Dissolved	mg/L	0.00175	0.293	0.026	-	0.368
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	-	<0.00010
Tin (Sn)-Dissolved	mg/L	0.00036	<0.00010	0.00058	-	0.00025
Titanium (Ti)-Dissolved	mg/L	<0.010	0.01	<0.010	-	<0.010
Uranium (U)-Dissolved	mg/L	0.000083	0.00616	0.000171	-	0.00315
Vanadium (V)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	-	<0.0010
Zinc (Zn)-Dissolved	mg/L	<0.0010	0.002	1.09	-	<0.0010
Aggregate Organics						
Oil and Grease	mg/L	-	-	-	<1.0	-
BOD	mg/L	-		10	2	
Fecal Coleform	CFU/100 mL	1		141000	1	

Table 3: Flow and Volume Measurements-Part K Item 12 and 13

DATE	Carat Lake Freshwater Use (m3) (Camp and Emulsion Plant) - Daily	Carat Lake Freshwater Use (m3) (Construction Requirements) - Daily	Treated Sewage Effluent to PKC (Long Lake) (m3) - Daily Calculated	Sewage Sludge Removed (m3)	Pit Pond Water to Long Lake (m3) - Daily	East Sump pond to PKC (Long Lake) (m3) - Daily	Other waters to PKC (Long Lake) (m3)	Water Discharged from PKC (m3)	PKC Water Recycled (m3)	Process Plant Fresh Water (m3)	Process Plant Water Discharged to PKC (m3)	Coarse Rejects (tonnes)	Fine Rejects to PKC (tonnes)	Ore Processed (tonnes)	Quantity of Waste Rock (tonnes)	Quantity of Esker (tonnes)	Quantity of till (tonnes)
1-Jun-08	0.0	0.0	4.0	Monthly			Monthly		Monthly	0.0	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
2-Jun-08	0.0	0.0	4.0							0.0							
3-Jun-08	0.0	0.0	4.0							0.0							
4-Jun-08	0.0	0.0	4.0							0.0							
5-Jun-08	0.0	0.0	4.0							0.0							
6-Jun-08	26.8	0.0	4.0							0.0							
7-Jun-08	4.4	0.0	3.1							0.0							
8-Jun-08	0.0	0.0	4.0							0.0							
9-Jun-08	4.3	0.0	4.0							0.0							
10-Jun-08	6.8	0.0	4.8							0.0							
11-Jun-08	2.0	0.0	4.0							0.0							
12-Jun-08	4.8	0.0	3.4							0.0							
13-Jun-08	4.4	0.0	3.1							0.0							
14-Jun-08	4.0	0.0	2.8							0.0							
15-Jun-08	3.8	0.0	2.7							0.0							
16-Jun-08	0.0	0.0	4.0							0.0							
17-Jun-08	9.1	0.0	6.4							0.0							
18-Jun-08	7.1	0.0	5.0							0.0							
19-Jun-08	45.4	0.0	4.0							0.0							
20-Jun-08	0.0	0.0	4.0							0.0							
21-Jun-08	0.0	0.0	4.0							0.0							
22-Jun-08	0.0	0.0	4.0							0.0							
23-Jun-08	0.0	0.0	4.0							0.0							
24-Jun-08	0.0	0.0	4.0							0.0							
25-Jun-08	0.0	0.0	4.0							0.0							
26-Jun-08	0.0	0.0	4.0							0.0							
27-Jun-08	28.6	0.0	4.0							0.0							
28-Jun-08	0.0	0.0	4.0							0.0							
29-Jun-08	0.0	0.0	4.0							0.0							
30-Jun-08	0.0	0.0	4.0							0.0							
Total	151.5	0.0	115.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0.0	0.0	0.0