



14 June 2009

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 May 2009

Deloitte & Touche, as “Agents” for INAC, is pleased to provide Nunavut Water Board (NWB) with the Jericho Diamond Mine (Jericho) monthly report for May 2009 as required under Water License 2AM-JER0410.

SNP Sampling

During the month of May 2009 samples were collected as required for the SNP sampling program. A summary of the sampling is provided in Table1.

Table 1: SNP Water Sampling Reports

SNP Station	Sampling Date	Lab #	Comment
Various	May 20, 2009	290194	Taiga
Various	May 20, 2009	L766477	ALS

All Samples were collected as per requirements under Water License 2AM-JER0410 for the month of May.

Note:

The diamond plant did not operate in May and there was no discharge of supernatant water from the PKCA.

Results

Water Sampling and Analysis Results

Table 2 provides the results for samples related to the SNP sampling requirements for the month of May 2009.

Flow and Volume Measurements

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

Should you have any questions regarding the monthly report for May 2009 please contact the undersigned.

Yours truly,

	A	B	C	D
1	Project			
2	Report To Greg Stevens, DELOITTE & TOUCHE LLP			
3	ALS File No. L766477			
4	Date Received 21-May-09			
5	Date 04-Jun-09			
6				
7	RESULTS OF ANALYSIS			
8	Sample ID	Detection Limits	JER-SW4	JER-WQ2
9	Date Sampled		20-MAY-09	20-MAY-09
10	Time Sampled		16:00	16:00
11	ALS Sample ID		L766477-2	L766477-3
12	Matrix		Water	Water
13				
14	Physical Tests			
15	Conductivity	2	361	369
16	Hardness (as CaCO3)	0.81	112	115
17	pH	0.1	7.68	7.53
18	Total Suspended Solids	3	<3.0	<3.0
19	Total Dissolved Solids	10	213	221
20	Turbidity	0.1	0.25	0.37
21				
22	Anions and Nutrients			
23	Acidity (as CaCO3)	1	3.5	4.3
24	Alkalinity, Bicarbonate (as CaCO3)	1	66.8	65.6
25	Alkalinity, Carbonate (as CaCO3)	1	<1.0	<1.0
26	Alkalinity, Hydroxide (as CaCO3)	1	<1.0	<1.0
27	Alkalinity, Total (as CaCO3)	1	66.8	65.6
28	Ammonia as N	0.005	0.0524	0.0554
29	Chloride (Cl)	0.5	18.1	18.7
30	Nitrate (as N)	0.05	12.8	13.3
31	Nitrite (as N)	0.001	0.0296	0.0309
32	Ortho Phosphate as P	0.1	<0.0010	<0.0010
33	Total Dissolved Phosphate As P	0.2	0.0047	0.0050
34	Total Phosphate as P	0.01	0.0064	0.0083
35	Sulfate (SO4)	0.5	32.1	32.9
36				
37	Organic / Inorganic Carbon			
38	Total Inorganic Carbon	0.5	14.1	14.5
39	Total Organic Carbon	0.5	4.14	4.20
40				
41	Total Metals			
42	Aluminum (Al)-Total	0.001	<0.0070	<0.0080
43	Antimony (Sb)-Total	0.0001	0.00031	0.00034
44	Arsenic (As)-Total	0.0001	0.00040	0.00041
45	Barium (Ba)-Total	0.00005	0.0850	0.0893
46	Beryllium (Be)-Total	0.0005	<0.00050	<0.00050
47	Bismuth (Bi)-Total	0.0005	<0.00050	<0.00050
48	Boron (B)-Total	0.01	0.040	0.045
49	Cadmium (Cd)-Total	0.00005	<0.000050	<0.000050
50	Calcium (Ca)-Total	0.05	25.1	26.7
51	Chromium (Cr)-Total	0.0005	<0.00050	<0.00050
52	Cobalt (Co)-Total	0.0001	0.00012	0.00014
53	Copper (Cu)-Total	0.0001	0.00259	0.00323
54	Iron (Fe)-Total	0.03	<0.030	<0.030
55	Lead (Pb)-Total	0.00005	<0.000050	0.000160
56	Lithium (Li)-Total	0.005	<0.0050	<0.0050
57	Magnesium (Mg)-Total	0.05	11.9	12.5
58	Manganese (Mn)-Total	0.00005	0.0176	0.0160
59	Mercury (Hg)-Total	0.00005	<0.000050	<0.000050
60	Molybdenum (Mo)-Total	0.00005	0.00403	0.00456
61	Nickel (Ni)-Total	0.0005	0.00397	0.00443
62	Potassium (K)-Total	0.5	11.7	12.2
63	Selenium (Se)-Total	0.001	<0.0010	<0.0010
64	Silicon (Si)-Total	0.05	1.97	2.04
65	Silver (Ag)-Total	0.00001	<0.000010	<0.000010
66	Sodium (Na)-Total	5	15.6	16.6
67	Strontium (Sr)-Total	0.0001	0.526	0.553
68	Thallium (Tl)-Total	0.0001	<0.00010	<0.00010
69	Tin (Sn)-Total	0.0001	0.00398	0.00222
70	Titanium (Ti)-Total	0.01	<0.010	<0.010
71	Uranium (U)-Total	0.00001	0.00299	0.00303
72	Vanadium (V)-Total	0.001	<0.0010	<0.0010
73	Zinc (Zn)-Total	0.001	0.0023	0.0023
74				

	A	B	C	D
7	RESULTS OF ANALYSIS			
8	Sample ID	Detection Limits	JER-SW4	JER-WQ2
9	Date Sampled		20-MAY-09	20-MAY-09
10	Time Sampled		16:00	16:00
11	ALS Sample ID		L766477-2	L766477-3
12	Matrix		Water	Water
13				
75	Dissolved Metals			
76	Aluminum (Al)-Dissolved	0.004	0.0094	0.0061
77	Antimony (Sb)-Dissolved	0.0001	0.00033	0.00035
78	Arsenic (As)-Dissolved	0.0001	0.00045	0.00047
79	Barium (Ba)-Dissolved	0.00005	0.0859	0.0877
80	Beryllium (Be)-Dissolved	0.0005	<0.00050	<0.00050
81	Bismuth (Bi)-Dissolved	0.0005	<0.00050	<0.00050
82	Boron (B)-Dissolved	0.01	0.042	0.042
83	Cadmium (Cd)-Dissolved	0.00005	<0.000050	<0.000050
84	Calcium (Ca)-Dissolved	0.05	24.1	24.8
85	Chromium (Cr)-Dissolved	0.0005	<0.00050	<0.00050
86	Cobalt (Co)-Dissolved	0.0001	0.00011	0.00011
87	Copper (Cu)-Dissolved	0.0001	0.00213	0.00218
88	Iron (Fe)-Dissolved	0.03	<0.030	<0.030
89	Lead (Pb)-Dissolved	0.00005	<0.000050	0.000063
90	Lithium (Li)-Dissolved	0.005	<0.0050	<0.0050
91	Magnesium (Mg)-Dissolved	0.05	12.6	12.9
92	Manganese (Mn)-Dissolved	0.00005	0.0152	0.00841
93	Mercury (Hg)-Dissolved	0.00005	<0.000050	<0.000050
94	Molybdenum (Mo)-Dissolved	0.00005	0.00387	0.00430
95	Nickel (Ni)-Dissolved	0.0005	0.00379	0.00412
96	Potassium (K)-Dissolved	0.5	11.1	11.0
97	Selenium (Se)-Dissolved	0.001	<0.0010	<0.0010
98	Silicon (Si)-Dissolved	0.05	2.05	2.07
99	Silver (Ag)-Dissolved	0.00001	<0.000010	<0.000010
100	Sodium (Na)-Dissolved	5	16.7	17.1
101	Strontium (Sr)-Dissolved	0.0001	0.515	0.523
102	Thallium (Tl)-Dissolved	0.0001	<0.00010	<0.00010
103	Tin (Sn)-Dissolved	0.0001	0.00334	0.00180
104	Titanium (Ti)-Dissolved	0.01	<0.010	<0.010
105	Uranium (U)-Dissolved	0.00001	0.00277	0.00271
106	Vanadium (V)-Dissolved	0.001	<0.0010	<0.0010
107	Zinc (Zn)-Dissolved	0.001	0.0156	0.0014
108				
109	Aggregate Organics			
110	Oil and Grease	5	-	<1.0
111				
112	Inorganics- Nutrients			
113	Biological Oxygen Demand	2		<2
114				
115	Microbiology			
116	Coliforms, Fecal	1		<1

