



30 April 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 March 2009

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

SNP Sampling

During the month of March 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
SW1	Mar. 26, 2009	290094	Taiga
Various	Mar. 26, 2009	L746436	ALS

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

Note:

The diamond plant did not operate in March 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 March 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 March 2009 please contact the undersigned.

Yours truly,



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c. L. Staples, G. Stevens, D. Haggar

Table 2: Water Quality Results

Project	Jericho Project
Report To	Greg Stevens, DELOITTE & TOUCHE LLP
ALS File No.	L746436
Date Received	26-Mar-09
Date	07-May-09

RESULTS OF ANALYSIS	Detection Limits		Detection Limits	
Sample ID	JER-SW1	JER-SW1	JER-SW4	JER-SW4
Date Sampled	13-MAR-09	13-MAR-09	13-MAR-09	13-MAR-09
Time Sampled	16:00	16:00	16:00	16:00
ALS Sample ID	L746436-1	L746436-1	L746436-2	L746436-2
Matrix	Water	Water	Water	Water
Physical Tests				
Conductivity	2	675	2	385
Hardness (as CaCO3)	1.1	48.2	0.81	114
pH	0.01	7.02	0.01	7.68
Total Suspended Solids	3	25.3	3	<3.0
Total Dissolved Solids	10	469	10	238
Turbidity	0.1	21.4	0.1	1.09
Anions and Nutrients				
Acidity (as CaCO3)	1	11.9	1	7.2
Alkalinity, Bicarbonate (as CaCO3)	1	24.8	1	72.1
Alkalinity, Carbonate (as CaCO3)	1	<1.0	1	<1.0
Alkalinity, Hydroxide (as CaCO3)	1	<1.0	1	<1.0
Alkalinity, Total (as CaCO3)	1	24.8	1	72.1
Ammonia as N	0.005	0.0402	0.005	0.132
Chloride (Cl)	0.5	45.4	0.5	19.6
Nitrate (as N)	0.05	32.7	0.05	14.8
Nitrite (as N)	0.001	0.0297	0.001	0.0347
Ortho Phosphate as P	0.1	3.61	0.001	0.0013
Total Dissolved Phosphate As P	0.2	3.63	0.002	0.0023
Total Phosphate as P	0.2	4.35	0.002	0.0071
Sulfate (SO4)	0.5	89.2	0.5	33.8
Organic / Inorganic Carbon				
Total Inorganic Carbon	0.5	2.03	0.5	14.4
Total Organic Carbon	0.5	28.0	0.5	5.00
Total Metals				
Aluminum (Al)-Total	0.002	0.0669	0.001	0.0135
Antimony (Sb)-Total	0.0002	0.00682	0.0001	0.00047
Arsenic (As)-Total	0.0002	0.00102	0.0001	0.00071
Barium (Ba)-Total	0.0001	0.00679	0.00005	0.0727
Beryllium (Be)-Total	0.001	<0.0010	0.0005	<0.00050
Bismuth (Bi)-Total	0.001	<0.0010	0.0005	<0.00050
Boron (B)-Total	0.02	0.151	0.01	0.047
Cadmium (Cd)-Total	0.0001	0.00013	0.00005	0.000058
Calcium (Ca)-Total	0.1	14.3	0.05	28.6
Chromium (Cr)-Total	0.001	0.0017	0.0005	<0.00050
Cobalt (Co)-Total	0.0002	0.00084	0.0001	0.00015
Copper (Cu)-Total	0.0002	0.123	0.0001	0.00277
Iron (Fe)-Total	0.03	1.02	0.03	0.039
Lead (Pb)-Total	0.0001	0.00178	0.00005	0.000184
Lithium (Li)-Total	0.01	0.706	0.005	<0.0050
Magnesium (Mg)-Total	0.1	4.32	0.05	12.6
Manganese (Mn)-Total	0.0001	0.0650	0.00005	0.00880
Mercury (Hg)-Total	0.00005	<0.000050	0.00005	<0.000050
Molybdenum (Mo)-Total	0.0001	0.00886	0.00005	0.00553

Nickel (Ni)-Total	0.001	0.0180	0.0005	0.00527
Potassium (K)-Total	1	25.9	0.5	13.8
Selenium (Se)-Total	0.002	<0.0020	0.001	<0.0010
Silicon (Si)-Total	0.05	3.71	0.05	2.15
Silver (Ag)-Total	0.00002	0.000043	0.00001	<0.000010
Sodium (Na)-Total	1	103	0.5	20.0
Strontium (Sr)-Total	0.0002	0.0160	0.0001	0.454
Thallium (Tl)-Total	0.0002	<0.00020	0.0001	<0.00010
Tin (Sn)-Total	0.0002	0.00088	0.0001	<0.00010
Titanium (Ti)-Total	0.01	<0.010	0.01	<0.010
Uranium (U)-Total	0.00002	0.000089	0.00001	0.00408
Vanadium (V)-Total	0.002	<0.0020	0.001	<0.0010
Zinc (Zn)-Total	0.002	1.43	0.001	0.0056
Dissolved Metals				
Aluminum (Al)-Dissolved	0.006	<0.0060	0.008	<0.0080
Antimony (Sb)-Dissolved	0.0002	0.00617	0.0001	0.00040
Arsenic (As)-Dissolved	0.0002	0.00090	0.0001	0.00060
Barium (Ba)-Dissolved	0.0001	0.00190	0.00005	0.0685
Beryllium (Be)-Dissolved	0.001	<0.0010	0.0005	<0.00050
Bismuth (Bi)-Dissolved	0.001	<0.0010	0.0005	<0.00050
Boron (B)-Dissolved	0.02	0.144	0.01	0.045
Cadmium (Cd)-Dissolved	0.0001	<0.00010	0.00005	<0.000050
Calcium (Ca)-Dissolved	0.1	13.0	0.05	26.4
Chromium (Cr)-Dissolved	0.001	<0.0010	0.0005	<0.00050
Cobalt (Co)-Dissolved	0.0002	0.00071	0.0001	0.00012
Copper (Cu)-Dissolved	0.0002	0.0679	0.0001	0.00209
Iron (Fe)-Dissolved	0.03	0.117	0.03	<0.030
Lead (Pb)-Dissolved	0.0001	0.00011	0.00005	<0.000050
Lithium (Li)-Dissolved	0.01	0.652	0.005	<0.0050
Magnesium (Mg)-Dissolved	0.1	3.84	0.05	11.6
Manganese (Mn)-Dissolved	0.0001	0.0568	0.00005	0.00110
Mercury (Hg)-Dissolved	0.00005	<0.000050	0.00005	<0.000050
Molybdenum (Mo)-Dissolved	0.0001	0.00792	0.00005	0.00505
Nickel (Ni)-Dissolved	0.001	0.0158	0.0005	0.00472
Potassium (K)-Dissolved	1	24.0	0.5	13.0
Selenium (Se)-Dissolved	0.002	<0.0020	0.001	<0.0010
Silicon (Si)-Dissolved	0.05	3.58	0.05	2.15
Silver (Ag)-Dissolved	0.00002	<0.000020	0.00001	<0.000010
Sodium (Na)-Dissolved	1	96.1	0.5	18.6
Strontium (Sr)-Dissolved	0.0002	0.0144	0.0001	0.425
Thallium (Tl)-Dissolved	0.0002	<0.00020	0.0001	<0.00010
Tin (Sn)-Dissolved	0.0002	0.00058	0.0001	<0.00010
Titanium (Ti)-Dissolved	0.01	<0.010	0.01	<0.010
Uranium (U)-Dissolved	0.00002	0.000022	0.00001	0.00383
Vanadium (V)-Dissolved	0.002	<0.0020	0.001	<0.0010
Zinc (Zn)-Dissolved	0.002	1.19	0.001	0.0025
Aggregate Organics				
Oil and Grease	5	<5.0	-	-
Inorganic Nutrients				
Biological Oxygen Demand	2	6		
Microbiology				
Coliforms, Fecal	7	1		

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