



25 February 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 January 2009

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

SNP Sampling

During the month of January 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 Report

SNP Station	Sampling Date	Lab #	Comment
SW1	Dec. 30, 2008	L727422	ALS
Various	Jan. 20, 2009	L727422	ALS
Various	Jan. 20, 2009	L729564	ALS
SW1	Jan. 29, 2009	290018	Taiga

All Samples were collected as per requirements under Water License 2AM-JER0410 for the month of January. Also included in this report are the sample results required for the month of December 2008.

Note:

The diamond plant did not operate in December 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 December 2008. Table 3 provides the results for samples related to the SNP sampling requirements for the month of January 2009.

Flow and Volume Measurements

Table 4 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 January 2009 please contact the undersigned.

Yours truly,

A handwritten signature in black ink, appearing to read 'Andrew Coster', with a large, sweeping loop at the end.

Andrew Coster
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Jericho Mine Site
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c. L. Staples, G. Stevens, D. Haggar

Project	JERICO PROJECT								
Report To	Greg Stevens, DELOITTE & TOUCHE LLP								
ALS File No.	L729564								
Date Received	30-Jan-09								
Date	09-Feb-09								
RESULTS OF ANALYSIS	Detection Limits								
Sample ID		JER-SW1	JER-WQ4	JER-WQ10	JER-WQ11	JER-WQ6	JER-WQ8	JER-WQ9	JER-WQ13
Date Sampled		30-DEC-08	20-JAN-09	20-JAN-09	20-JAN-09	20-JAN-09	20-JAN-09	20-JAN-09	20-JAN-09
Time Sampled		00:00	00:00	00:00	00:00	00:00	00:00	00:00	00:00
ALS Sample ID		L727422-1	L729564-3	L729564-4	L729564-5	L727422-4	L727422-5	L727422-6	L727422-7
Matrix		Water	Water	Water	Water	Water	Water	Water	Water
Physical Tests									
Conductivity	2	724	22.6	17.8	18.5	25.8	28.2	28.1	134
Hardness (as CaCO3)	0.5	87.6	9.52	7.28	7.12	10.0	11.9	12.4	87.6
pH	0.01	5.98	6.88	6.61	6.63	7.35	7.10	7.12	7.24
Total Suspended Solids	3	12.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total Dissolved Solids	10	544	28	21	19	28	30	30	119
Turbidity	0.1	18.2	0.44	0.48	0.69	0.54	0.36	0.37	0.54
Anions and Nutrients									
Acidity (as CaCO3)	1	33.2		3.2	3.6	1.5	2.3	2.1	2.5
Alkalinity, Bicarbonate (as CaCO3)	1	5.8	7.1	5.1	5.4	7.2	8.9	8.3	16.7
Alkalinity, Carbonate (as CaCO3)	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	1	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	1	5.8	7.1	5.1	5.4	7.2	8.9	8.3	16.7
Ammonia as N	0.025	<0.0050	0.0184	0.0150	0.0159	0.134	0.0227	0.0277	0.0283
Chloride (Cl)	2.5	45.9	0.51	<0.50	<0.50	0.55	0.59	0.60	6.01
Nitrate (as N)	0.025	47.0	0.0604	0.0397	0.0367	0.260	0.267	0.265	7.42
Nitrite (as N)	0.005	0.0106	<0.0010	<0.0010	<0.0010	0.0019	0.0020	0.0019	0.0460
Ortho Phosphate as P	0.1	10.6	<0.0010	<0.0010	<0.0010	0.0013	<0.0010	<0.0010	0.0018
Total Dissolved Phosphate As P	0.2	9.27	0.0029	0.0025	0.0027	0.0024	0.0024	0.0035	0.0046
Total Phosphate as P	0.2	9.63	0.0063	0.0047	0.0061	0.0050	0.0087	0.0056	0.0072
Sulfate (SO4)	2.5	69.7	1.83	1.49	1.52	1.75	1.88	1.84	7.34
Organic / Inorganic Carbon									
Total Inorganic Carbon	0.5	<0.50	1.04	0.71	0.76	1.07	1.37	1.34	3.01
Total Organic Carbon	0.5	17.7	4.80	4.29	4.36	6.43	5.56	5.57	7.28
Total Metals									
Aluminum (Al)-Total	0.001	0.0963	0.0830	0.0436	0.0444	0.0480	0.0457	0.0578	0.0947
Antimony (Sb)-Total	0.0001	0.00562	0.00046	<0.00010	<0.00010	<0.00010	<0.00010	0.00020	0.00014
Arsenic (As)-Total	0.0001	0.00196	0.00038	0.00025	0.00027	0.00025	0.00025	0.00031	0.00022
Barium (Ba)-Total	0.00005	0.0127	0.00352	0.00238	0.00245	0.00296	0.00372	0.00424	0.0123
Beryllium (Be)-Total	0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005	<0.00005
Bismuth (Bi)-Total	0.00005	<0.00025	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	0.01	0.322	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010
Cadmium (Cd)-Total	0.00005	0.00086	<0.000050	0.000052	0.000059	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	0.05	25.4	2.13	1.39	1.41	2.13	2.51	2.73	11.5
Chromium (Cr)-Total	0.0005	<0.0025	0.00070	<0.00050	<0.00050	<0.00050	<0.00050	0.00059	<0.00050
Cobalt (Co)-Total	0.0001	0.00164	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00018
Copper (Cu)-Total	0.0001	0.198	0.00249	0.00172	0.00143	0.00173	0.00225	0.00278	0.00349
Iron (Fe)-Total	0.03	0.706	0.053	<0.030	0.031	<0.030	<0.030	0.061	0.048
Lead (Pb)-Total	0.00005	0.00117	0.000341	0.000059	0.000092	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Total	0.005	0.336	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	0.05	7.25	1.28	0.841	0.813	1.34	1.51	1.64	6.92
Manganese (Mn)-Total	0.00005	0.223	0.00312	0.00176	0.00184	0.00169	0.00237	0.00426	0.00274
Mercury (Hg)-Total	0.00005	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	0.00005	0.00219	0.000088	<0.000050	<0.000050	0.000062	0.000063	0.000075	0.000268
Nickel (Ni)-Total	0.0005	0.0494	0.00115	<0.00050	<0.00050	0.00060	0.00068	0.00090	0.00187
Potassium (K)-Total	5	21.0	0.54	<0.50	<0.50	0.60	0.65	0.70	1.40
Selenium (Se)-Total	0.001	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	0.05	3.64	0.954	0.747	0.737	0.570	0.589	0.638	2.52
Silver (Ag)-Total	0.00001	0.000052	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	5	89.0	0.93	0.68	0.65	1.03	1.12	1.19	4.89
Strontium (Sr)-Total	0.0001	0.0383	0.00990	0.00635	0.00640	0.0104	0.0116	0.0124	0.0491
Thallium (Tl)-Total	0.0001	<0.00050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	0.0001	0.00178	<0.00010	<0.00010	<0.00010	0.00349	0.00525	0.0189	<0.00010
Titanium (Ti)-Total	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	0.00001	0.000074	0.000388	0.000263	0.000268	0.000321	0.000315	0.000333	0.00159
Vanadium (V)-Total	0.001	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	0.001	14.6	0.0888	0.0034	0.0053	<0.0060	<0.0050	<0.010	0.0172
Dissolved Metals									
Aluminum (Al)-Dissolved	0.001	0.0113	0.0572	0.0380	0.0416	0.0372	0.0344	0.0331	0.0752
Antimony (Sb)-Dissolved	0.0001	0.00496	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Dissolved	0.0001	0.00186	0.00028	0.00025	0.00025	0.00025	0.00042	0.00025	0.00021
Barium (Ba)-Dissolved	0.00005	0.00722	0.00302	0.00255	0.00244	0.00280	0.00370	0.00372	0.0121
Beryllium (Be)-Dissolved	0.0005	<0.0025	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Dissolved	0.00005	<0.0025	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Dissolved	0.01	0.308	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.010
Cadmium (Cd)-Dissolved	0.00005	0.00076	<0.000050	0.000077	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Dissolved	0.05	24.1	1.93	1.49	1.48	1.99	2.40	2.57	11.1
Chromium (Cr)-Dissolved	0.0005	<0.0025	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Dissolved	0.0001	0.00144	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00017
Copper (Cu)-Dissolved	0.0001	0.136	0.00090	0.00163	0.00100	0.00116	0.00166	<0.00050	0.00138
Iron (Fe)-Dissolved	0.03	0.131	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.038
Lead (Pb)-Dissolved	0.00005	<0.00025	<0.000050	0.000054	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Dissolved	0.005	0.322	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Dissolved	0.05	6.97	1.14	0.864	0.833	1.23	1.44	1.46	6.56
Manganese (Mn)-Dissolved	0.00005	0.211	0.00120	0.000937	0.00108	0.000693	0.00109	0.00112	0.00203
Mercury (Hg)-Dissolved	0.00005	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Dissolved	0.00005	0.00119	<0.000050	<0.000050	<0.000050	0.000055	<0.000050	<0.000050	0.000258
Nickel (Ni)-Dissolved	0.0005	0.0460	<0.00050	0.00051	<0.00050	0.00056	0.00070	0.00059	0.00185
Potassium (K)-Dissolved	0.5	20.1	0.51	<0.50	<0.50	0.57	0.65	0.64	1.38
Selenium (Se)-Dissolved	0.001	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	0.05	3.44	0.932	0.702	0.708	0.576	0.605	0.601	2.62
Silver (Ag)-Dissolved	0.00001	<0.000050	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Dissolved	5	86.6	0.90	0.72	0.71	0.97	1.08	1.11	4.77
Strontium (Sr)-Dissolved	0.0001	0.0359	0.00888	0.00691	0.00660	0.00984	0.0113	0.0112	0.0475
Thallium (Tl)-Dissolved	0.0001	<0.00050	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	0.0001	0.00087	<0.00010	<0.00010	<0.00010	0.00353	0.00344	0.00147	<0.00010
Titanium (Ti)-Dissolved	0.01	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	0.00001	<0.000050	0.000341	0.000259	0.000265	0.000273	0.000281	0.000272	0.00145
Vanadium (V)-Dissolved	0.001	<0.0050	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Dissolved	0.001	14.0	0.0036	0.0049	0.0044	0.0034	0.0033	0.0082	0.0119
Aggregate Organics									
Oil and Grease	5	<1.0	-	-	-	-	-	-	-

Table 3: January WQ Results

Project	JERICHO PROJECT				
Report To	Greg Stevens, DELOITTE & TOUCHE LLP				
ALS File No.	L729564				
Date Received	30-Jan-09				
Date	09-Feb-09				
RESULTS OF ANALYSIS					
Sample ID	Detection Limits	JER -SW1	(Duplicate)	JER -SW4	(Duplicate)
Date Sampled	29-JAN-09	20-JAN-09	29-JAN-09	20-JAN-09	29-JAN-09
Time Sampled	00:00	00:00	00:00	00:00	00:00
ALS Sample ID	L729564-1	L727422-2	L729564-1	L727422-3	L729564-2
Matrix	Water	Water	Water	Water	Water
Physical Tests					
Conductivity	2	617	608	324	348
Hardness (as CaCO3)	0.5	67.7	55.6	113	122
pH	0.01	6.31	6.94	7.53	7.61
Total Suspended Solids	3	10.0	4.0	<3.0	<3.0
Total Dissolved Solids	10	443	445	212	211
Turbidity	0.1	16.1	5.37	0.45	0.45
Anions and Nutrients					
Acidity (as CaCO3)	1	23.1	18.1	3.7	9.5
Alkalinity, Bicarbonate (as CaCO3)	1	7.4	24.7	58.8	63.6
Alkalinity, Carbonate (as CaCO3)	1	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	1	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	1	7.4	24.7	58.8	63.6
Ammonia as N	0.025	1.49	0.550	0.203	0.140
Chloride (Cl)	2.5	46.6	42.2	16.8	17.9
Nitrate (as N)	0.025	35.2	28.1	12.4	12.3
Nitrite (as N)	0.005	0.0167	0.0353	0.0199	0.0271
Ortho Phosphate as P	0.1	9.10	6.43	<0.0010	<0.0010
Total Dissolved Phosphate As P	0.2	8.01	6.17	0.0042	0.0040
Total Phosphate as P	0.2	8.41	6.47	0.0079	0.0074
Sulfate (SO4)	2.5	62.2	65.5	28.8	28.2
Organic / Inorganic Carbon					
Total Inorganic Carbon	0.5	<0.50	1.88	13.1	13.2
Total Organic Carbon	0.5	18.7	20.0	3.81	4.09
Total Metals					
Aluminum (Al)-Total	0.001	0.0752	0.0254	0.0141	0.0178
Antimony (Sb)-Total	0.0001	0.00637	0.00624	0.00035	0.00051
Arsenic (As)-Total	0.0001	0.00162	0.00145	0.00039	0.00047
Barium (Ba)-Total	0.00005	0.00671	0.00284	0.0815	0.0871
Beryllium (Be)-Total	0.0005	<0.0010	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	0.0005	<0.0010	<0.00050	<0.00050	<0.00050
Boron (B)-Total	0.01	0.247	0.246	0.039	0.042
Cadmium (Cd)-Total	0.00005	0.00047	0.000157	<0.000050	0.000054
Calcium (Ca)-Total	0.05	18.0	15.3	22.8	25.1
Chromium (Cr)-Total	0.0005	0.0013	0.00101	<0.00050	<0.00050
Cobalt (Co)-Total	0.0001	0.00168	0.00088	0.00015	0.00015
Copper (Cu)-Total	0.0001	0.153	0.101	0.00236	0.00273
Iron (Fe)-Total	0.03	0.756	0.396	<0.030	0.032
Lead (Pb)-Total	0.00005	0.00138	0.00510	<0.000050	0.000115
Lithium (Li)-Total	0.005	0.416	0.463	<0.0050	<0.0050
Magnesium (Mg)-Total	0.05	5.85	5.21	13.6	14.4
Manganese (Mn)-Total	0.00005	0.182	0.0569	0.00691	0.00663
Mercury (Hg)-Total	0.00005	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	0.00005	0.00637	0.00670	0.00495	0.00534
Nickel (Ni)-Total	0.0005	0.0311	0.0193	0.00460	0.00453
Potassium (K)-Total	5	21.3	20.6	10.7	11.7
Selenium (Se)-Total	0.001	<0.0020	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	0.05	3.37	3.08	1.70	1.72
Silver (Ag)-Total	0.00001	0.000033	0.000025	<0.000010	<0.000010
Sodium (Na)-Total	5	81.3	87.7	15.8	17.1
Strontium (Sr)-Total	0.0001	0.0233	0.0178	0.550	0.573
Thallium (Tl)-Total	0.0001	<0.00020	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	0.0001	0.00155	0.00478	0.00397	<0.00010
Titanium (Ti)-Total	0.01	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	0.00001	0.000068	0.000036	0.00405	0.00410
Vanadium (V)-Total	0.001	<0.0020	0.0014	<0.0010	<0.0010
Zinc (Zn)-Total	0.001	7.36	2.52	<0.0040	0.0049
Dissolved Metals					
Aluminum (Al)-Dissolved	0.001	0.0115	0.0071	0.0091	0.0065
Antimony (Sb)-Dissolved	0.0001	0.00635	0.00592	0.00035	0.00040
Arsenic (As)-Dissolved	0.0001	0.00163	0.00138	0.00042	0.00047
Barium (Ba)-Dissolved	0.00005	0.00327	0.00170	0.0832	0.0879
Beryllium (Be)-Dissolved	0.0005	<0.0010	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Dissolved	0.0005	<0.0010	<0.00050	<0.00050	<0.00050
Boron (B)-Dissolved	0.01	0.262	0.238	0.039	0.044
Cadmium (Cd)-Dissolved	0.00005	0.00043	0.000133	<0.000050	0.000051
Calcium (Ca)-Dissolved	0.05	17.7	14.3	22.8	25.0
Chromium (Cr)-Dissolved	0.0005	<0.0010	0.00086	<0.00050	0.00072
Cobalt (Co)-Dissolved	0.0001	0.00168	0.00079	0.00011	0.00012
Copper (Cu)-Dissolved	0.0001	0.118	0.0699	0.00215	0.00200
Iron (Fe)-Dissolved	0.03	0.216	0.219	<0.030	<0.030
Lead (Pb)-Dissolved	0.00005	0.00017	0.000194	<0.000050	<0.000050
Lithium (Li)-Dissolved	0.005	0.408	0.449	<0.0050	<0.0050
Magnesium (Mg)-Dissolved	0.05	5.73	4.85	13.7	14.4
Manganese (Mn)-Dissolved	0.00005	0.187	0.0508	0.00498	0.00128
Mercury (Hg)-Dissolved	0.00005	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Dissolved	0.00005	0.00620	0.00644	0.00520	0.00556
Nickel (Ni)-Dissolved	0.0005	0.0316	0.0176	0.00425	0.00419
Potassium (K)-Dissolved	0.5	21.6	19.4	10.8	11.6
Selenium (Se)-Dissolved	0.001	<0.0020	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	0.05	3.31	3.01	1.79	1.75
Silver (Ag)-Dissolved	0.00001	<0.000020	0.000011	<0.000010	<0.000010
Sodium (Na)-Dissolved	5	84.7	86.9	16.1	17.3
Strontium (Sr)-Dissolved	0.0001	0.0231	0.0166	0.549	0.558
Thallium (Tl)-Dissolved	0.0001	<0.00020	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	0.0001	0.00111	0.00347	0.00362	<0.00010
Titanium (Ti)-Dissolved	0.001	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	0.00001	<0.000020	0.000024	0.00393	0.00400
Vanadium (V)-Dissolved	0.001	<0.0020	0.0013	<0.0010	<0.0010
Zinc (Zn)-Dissolved	0.001	7.49	2.34	0.0021	0.0034
Aggregate Organics					
Oil and Grease	5	<1.0	<5.0	-	-
Taiga Results					
Biological Oxygen Demand	2	4			
Fecal Coliforms	10	200			

[illegible][illegible]