

26 October 2007

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

RE: Water License NWB1JER0410 Monthly SNP Report – September 2007

Following is the monthly report for September 2007 as required under Water Licence 2AM-JER0410.

SNP Sampling

During the month of September 2007, samples were collected, as part of the SNP sampling program. A summary of the September 2007 sampling is provided in Table 1.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-WQ1	24 Sep 07	L557895 270703	ALS Taiga
JER-WQ2	4 Sep 07	L549862 270635	ALS Taiga
JER-WQ2	9 Sep 07	L552075	ALS
JER-WQ2	24 Sep 07	L557895 270703	ALS Taiga
JER-WQ4	23 Sep 07	L557895	ALS
JER-WQ5	23 Sep 07	L557895	ALS
JER-WQ6	23 Sep 07	L557895	ALS
JER-WQ6-F1	23 Sep 07	L557895	ALS
JER-WQ7	23 Sep 07	L557895	ALS
JER-WQ8	23 Sep 07	L557895	ALS
JER-WQ9	23 Sep 07	L557895	ALS
JER-WQ10	23 Sep 07	L557895	ALS
JER-WQ11	23 Sep 07	L557895	ALS
JER-WQ13	23 Sep 07	L557895	ALS
JER-WQ14	23 Sep 07	L557895	ALS
JER-SW1	24 Sep 07	L557895 270703	ALS Taiga
JER-SW3	23 Sep 07	L557895	ALS
JER-SW4	23 Sep 07	L557895	ALS
JER-SW4a	9 Sep 07	L552075	ALS

Discharge was discontinued at JER-WQ2 on Sep 03 and as a result toxicity samples were not collected for the month of September.

Sample JER-SW4a was collected immediately downstream of the silt curtain located below the divider dike.

JER-WQ3, JER-WQ12, JER-WQ15, JER-WQ21 were frozen at the time of sampling 23 Sep 07. All samples were collected from shores as no boat was available and smaller water bodies were partly covered with ice.

Results

A) Water Sampling and Analysis Results

1. Table 2 provides the results for samples related to the SNP sampling requirements for the month of September 2007.

B) Flow and Volume Measurements

1. 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 September 2007 please contact the undersigned at 780 644-9129 or environment@tahera.com.

Regards,



Bruce Ott
Director, Environment

Harold Gates
Mine Manager

TABLE 2 - September 2007

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To	ENVIRONMENT D ENVIIRONMENT DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L557895	L549862	L552075	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895
Date Received	24-Sep-07	05-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date	23-Oct-07	20-Sep-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ6-F1	JER-WQ7	JER-WQ8	JER-WQ9	JER-WQ10
Date Sampled	24-SEP-07	04-SEP-07	09-SEP-07	24-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled	07:00	09:00	18:35	06:30	10:00	10:10	11:25	11:25	10:25	10:40	10:50	09:40

ALS Sample ID	L557895-13	L549862-1	L552075-1	L557895-14	L557895-4	L557895-5	L557895-10	L557895-11	L557895-6	L557895-7	L557895-8	L557895-3
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water

Physical Tests													
Hardness (as CaCO3)	mg/L	5.45	78.6	87.6	92	7.55	6.4	6.07	6.36	5.37	5.37	5.43	4.38
Conductivity	uS/cm	-	325	325	327	21.6	18.5	16.1	18.9	13.1	13.0	13.3	11.3
pH		-	7.10	7.33	7.48	7.46	7.09	7.00	6.98	7.09	7.06	7.03	7.17
Total Dissolved Solids	mg/L	-	217	231	203	14.0	16.0	<10	<10	16.0	13.0	<10	<10
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Turbidity	NTU	-	0.62	0.48	0.47	0.38	0.43	0.33	0.30	0.42	0.44	0.36	0.29

Anions and Nutrients													
Ammonia as N	mg N/L	-	0.338	0.354	0.0927	0.0186	0.0092	0.0131	0.0124	0.0079	0.0066	0.0066	0.0068
Acidity (as CaCO3)	mg/L	-	4.1	2.9	4.4	2.3	1.4	1.8	6.5	2.0	1.8	1.8	1.6
Alkalinity, Bicarbonate (as CaCO3)	mg/L	-	33.3	33.2	38.1	5.0	6.2	4.6	4.6	4.4	4.5	4.6	4.0
Alkalinity, Carbonate (as CaCO3)	mg/L	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	mg/L	-	33.3	33.2	38.1	5.0	6.2	4.6	4.6	4.4	4.5	4.6	4.0
Chloride (Cl)	mg/L	-	14.8	14.7	16.3	1.13	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Sulfate (SO4)	mg/L	-	26.1	26.0	26.0	2.47	1.74	1.77	1.79	1.28	1.19	1.14	1.45
Nitrate (as N)	mg N/L	-	17.8	17.8	16.8	0.313	0.221	0.0398	0.0430	0.0354	0.0081	0.0199	0.0256
Nitrite (as N)	mg N/L	-	0.185	0.176	0.0315	0.0013	0.0013	<0.0010	<0.0010	0.0012	<0.0010	<0.0010	0.0011
Total Kjeldahl Nitrogen	mg N/L	-	-	-	-	-	-	-	-	-	-	-	-
Ortho Phosphate as P	mg P/L	-	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	-	0.0021	0.0081	0.0021	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Total Phosphate as P	mg P/L	-	0.0035	0.0054	0.0066	0.0027	0.0025	0.0026	0.0030	0.0026	0.0033	0.0030	0.0031

Total Metals													
Aluminum (Al)-Total	mg/L	0.0135	0.0248	0.0094	0.0094	0.0124	0.0092	0.0128	0.0135	0.0146	0.0114	0.0109	0.0128
Antimony (Sb)-Total	mg/L	<0.00010	0.00045	0.00047	0.00028	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00017	0.00042	0.00041	0.00034	0.00018	0.00018	0.00015	0.00017	0.00017	0.00019	0.00017	0.00017
Barium (Ba)-Total	mg/L	0.00162	0.0770	0.0849	0.0678	0.00299	0.00157	0.00210	0.00216	0.00169	0.00161	0.00153	0.00158
Beryllium (Be)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	<0.010	0.037	0.037	0.032	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	1.22	20.3	21.9	21.4	1.57	1.35	1.37	1.40	1.16	1.18	1.24	0.948
Chromium (Cr)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	<0.00010	0.00015	0.00015	0.00017	0.00032	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	0.00117	0.00089	0.00099	0.00161	0.00078	0.00074	0.00083	0.00088	0.00086	0.00091	0.00083	0.00073

Project	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH
Report To	ENVIRONMENTAL DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L557895	L549862	L552075	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895
Date Received	24-Sep-07	05-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date	23-Oct-07	20-Sep-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ6-F1	JER-WQ7	JER-WQ8	JER-WQ9	JER-WQ10
Date Sampled	24-SEP-07	04-SEP-07	09-SEP-07	24-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled	07:00	09:00	18:35	06:30	10:00	10:10	11:25	11:25	10:25	10:40	10:50	09:40

ALS Sample ID		L557895-13	L549862-1	L552075-1	L557895-14	L557895-4	L557895-5	L557895-10	L557895-11	L557895-6	L557895-7	L557895-8	L557895-3
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Iron (Fe)-Total	mg/L	<0.030	0.052	0.033	<0.030	0.051	<0.030	<0.030	0.037	<0.030	<0.030	<0.030	<0.030
Lead (Pb)-Total	mg/L	0.000101	0.000171	<0.000050	0.000076	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	0.595	6.89	8.31	8.73	0.836	0.731	0.659	0.687	0.578	0.581	0.594	0.497
Manganese (Mn)-Total	mg/L	0.00152	0.00810	0.00748	0.0258	0.0152	0.00157	0.00187	0.00196	0.00246	0.00184	0.00252	0.00120
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	0.00780	0.00761	0.00233	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel (Ni)-Total	mg/L	<0.00050	0.00364	0.00331	0.00157	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Potassium (K)-Total	mg/L	<0.50	11.5	11.5	9.86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	0.169	2.54	2.39	2.98	0.227	0.149	0.176	0.188	0.175	0.118	0.142	0.206
Silver (Ag)-Total	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	0.55	17.1	17.5	16.4	1.11	0.76	0.59	0.61	0.53	0.52	0.53	<0.50
Strontium (Sr)-Total	mg/L	0.00526	0.501	0.568	0.447	0.00799	0.00692	0.00579	0.00594	0.00516	0.00512	0.00514	0.00477
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.00010	0.00042	0.00548	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	0.000143	0.000767	0.000825	0.000607	0.000109	0.000109	0.000137	0.000134	0.000135	0.000102	0.000104	0.000130
Vanadium (V)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0025	<0.0010	<0.0010	0.0016	0.0014	<0.0010	<0.0010	<0.0010	<0.0010	0.0016	0.0023	0.0011

Dissolved Metals													
Aluminum (Al)-Dissolved	mg/L	0.0084	<0.0020	0.0077	0.0026	0.0063	0.0061	0.0083	0.0090	0.0080	0.0091	0.0063	0.0091
Antimony (Sb)-Dissolved	mg/L	<0.00010	0.00048	0.00046	0.00027	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Dissolved	mg/L	0.00016	0.00041	0.00040	0.00031	0.00017	0.00016	0.00017	0.00017	0.00016	0.00018	0.00015	0.00017
Barium (Ba)-Dissolved	mg/L	0.00156	0.0767	0.0829	0.0671	0.00307	0.00152	0.00204	0.00210	0.00157	0.00159	0.00148	0.00144
Beryllium (Be)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Dissolved	mg/L	<0.010	0.036	0.036	0.033	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Dissolved	mg/L	1.22	20.2	21.5	22.0	1.62	1.37	1.35	1.42	1.19	1.18	1.20	0.947
Chromium (Cr)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Dissolved	mg/L	<0.00010	0.00011	0.00014	0.00012	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Dissolved	mg/L	0.00103	<0.00070	0.00096	0.00204	0.00064	0.00076	0.00075	0.00080	0.00069	0.00077	0.00065	0.00067
Iron (Fe)-Dissolved	mg/L	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Lead (Pb)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Dissolved	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Dissolved	mg/L	0.586	6.81	8.22	9.02	0.851	0.723	0.657	0.685	0.584	0.588	0.592	0.490
Manganese (Mn)-Dissolved	mg/L	0.000062	0.000188	0.00740	0.00201	0.00645	0.000165	0.000084	0.000086	0.000069	0.000129	0.000148	0.000072

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To	ENVIRONMENTAL DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L557895	L549862	L552075	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895	L557895
Date Received	24-Sep-07	05-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date	23-Oct-07	20-Sep-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ6-F1	JER-WQ7	JER-WQ8	JER-WQ9	JER-WQ10
Date Sampled	24-SEP-07	04-SEP-07	09-SEP-07	24-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled	07:00	09:00	18:35	06:30	10:00	10:10	11:25	11:25	10:25	10:40	10:50	09:40

ALS Sample ID	L557895-13	L549862-1	L552075-1	L557895-14	L557895-4	L557895-5	L557895-10	L557895-11	L557895-6	L557895-7	L557895-8	L557895-3
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Mercury (Hg)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	0.00789	0.00745	0.00213	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Nickel (Ni)-Dissolved	mg/L	<0.00050	0.00295	0.00323	0.00146	<0.00050	<0.00050	0.00051	<0.00050	<0.00050	<0.00050	<0.00050
Potassium (K)-Dissolved	mg/L	<0.50	11.5	11.4	10.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	mg/L	0.143	2.47	2.38	2.95	0.201	0.127	0.179	0.189	0.138	0.116	0.194
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Dissolved	mg/L	0.55	17.3	16.9	16.7	1.16	0.76	0.61	0.63	0.55	0.54	<0.50
Strontium (Sr)-Dissolved	mg/L	0.00526	0.503	0.556	0.441	0.00810	0.00685	0.00578	0.00600	0.00516	0.00511	0.00457
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	mg/L	<0.00010	0.00048	0.00375	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Dissolved	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	mg/L	0.000116	0.000773	0.000772	0.000579	0.000094	0.000089	0.000109	0.000118	0.000108	0.000089	0.000112
Vanadium (V)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	0.0016	0.0014	0.0011	<0.0010	<0.0010	0.0011	0.0015	<0.0010

Aggregate Organics

Oil and Grease	mg/L	-	<1.0	-	<1.0	-	-	-	-	-	-	-
----------------	------	---	------	---	------	---	---	---	---	---	---	---

Organic Parameters

Total Inorganic Carbon	mg/L	-	5.95	5.28	7.69	0.83	0.85	0.84	0.79	0.71	0.70	0.77	0.53
Total Organic Carbon	mg/L	-	2.76	2.47	2.89	3.03	3.22	3.24	3.15	3.07	3.43	2.96	2.96

Taiga Labs

Taiga File No.	270703	270635	270703
Date Received	24-Sep-07	04-Sep-07	24-Sep-07
Date	25-Sep-07	04-Sep-07	25-Sep-07
Matrix	Water	Water	Water

Biochemical Oxygen Demand	mg/L	-	<2	<2
Fecal Coleform	CFU/100 mL	<1	<1	<1

Field Water Temperature	deg C	3.95	6.58	6.17	2.24	2.3	2.08	4.55	4.55	3.83	1.87	2.17	3.86
Field Conductivity	uS/cm	13	264	343	288	23	17	15	15	12	13	13	11
Field DO	%	98.4	---	67.7	73.9	108.2	106.7	110.8	110.8	109	111.2	102.6	111.3
Field DO	mg/L	12.93	---	8.37	10.13	14.83	14.7	14.33	14.33	14.3	15.41	14.11	14.64
Field pH		7.19	7.55	7.09	6.53	8.44	8.46	7.75	7.75	8.29	8.04	7.95	8.72
Field ORP	mV	217.4	151.5	143.4	231.5	146.6	155.6	188.2	188.2	156.8	175.3	174.5	185.7

TABLE 2 - September 2007

Project		JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To										
ALS File No.		L557895	L557895	L557895	L557895	L557895	L552075	L557895	L557895	L557895
Date Received		24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date		23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ11	JER-WQ13	JER-WQ14	JER-SW1	JER-SW3	JER-SW4A	JER-SW4	JER-TB	JER-FB
Date Sampled		23-SEP-07	23-SEP-07	23-SEP-07	24-SEP-07	23-SEP-07	09-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled		09:20	12:00	11:05	07:15	07:20	20:05	07:05	00:00	00:00

ALS Sample ID		L557895-23	L557895-12	L557895-9	L557895-15	L557895-2	L552075-2	L557895-1	L557895-21	L557895-22
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water

Physical Tests

Hardness (as CaCO3)	mg/L	5.28	30.3	11.6	31.8	43.7	90.6	78	<0.50	<0.50
Conductivity	uS/cm	14.1	85.4	27.4	994	284	336	294	<2.0	<2.0
pH		6.34	7.70	7.73	7.66	8.01	7.82	7.59	5.64	5.56
Total Dissolved Solids	mg/L	<10	37.0	27.0	359	198	243	190	<10	<10
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0	30.2	<3.0	<3.0	<3.0	4.1	<3.0
Turbidity	NTU	0.29	0.69	0.41	37.4	0.80	2.08	1.05	<0.10	<0.10

Anions and Nutrients

Ammonia as N	mg N/L	<0.0050	0.0167	0.0117	77.7	4.41	0.685	1.24	<0.0050	<0.0050
Acidity (as CaCO3)	mg/L	3.3	2.2	1.9	27.7	2.0	1.7	5.0	2.3	2.0
Alkalinity, Bicarbonate (as CaCO3)	mg/L	4.5	16.9	10.9	<1.0	25.2	34.9	48.5	<1.0	<1.0
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0	<1.0	<1.0	<1.0	8.5	<1.0	<1.0	<1.0	<1.0
Alkalinity, Hydroxide (as CaCO3)	mg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Alkalinity, Total (as CaCO3)	mg/L	4.5	16.9	10.9	<1.0	33.7	34.9	48.5	<1.0	<1.0
Chloride (Cl)	mg/L	<0.50	5.54	0.81	40.2	12.4	15.2	14.0	<0.50	<0.50
Sulfate (SO4)	mg/L	0.66	5.46	0.68	39.2	10.7	26.7	26.6	<0.50	<0.50
Nitrate (as N)	mg N/L	<0.0050	2.33	0.0198	0.0126	18.8	18.5	11.8	<0.0050	<0.0050
Nitrite (as N)	mg N/L	<0.0010	0.0064	<0.0010	<0.0010	0.445	0.244	0.0483	<0.0010	<0.0010
Total Kjeldahl Nitrogen	mg N/L	-	-	-	0.901	-	-	-	-	-
Ortho Phosphate as P	mg P/L	<0.0010	<0.0010	<0.0010	9.26	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	<0.0020	<0.0020	<0.0020	10.4	<0.0020	0.0070	0.0029	<0.0020	<0.0020
Total Phosphate as P	mg P/L	0.0023	0.0027	0.0031		0.0032	0.0063	0.0060	<0.0020	<0.0020

Total Metals

Aluminum (Al)-Total	mg/L	0.0071	0.0367	0.0170	0.00113	0.0151	0.0476	0.0349	<0.0010	<0.0010
Antimony (Sb)-Total	mg/L	<0.00010	<0.00010	<0.00010	0.00073	0.00101	0.00046	0.00032	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00013	0.00018	0.00022	0.0192	0.00032	0.00039	0.00039	<0.00010	<0.00010
Barium (Ba)-Total	mg/L	0.00115	0.00499	0.00186	<0.00050	0.168	0.0875	0.0636	<0.000050	<0.000050
Beryllium (Be)-Total	mg/L	<0.00050	<0.00050	<0.00050	0.00063	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	mg/L	<0.00050	<0.00050	<0.00050	0.025	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	<0.010	<0.010	<0.010	0.000115	0.047	0.032	0.030	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050	<0.000050	9.15	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	1.23	6.51	2.77	0.00180	10.5	21.6	17.6	<0.050	<0.050
Chromium (Cr)-Total	mg/L	<0.00050	<0.00050	<0.00050	0.00031	0.00054	0.00051	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	<0.00010	<0.00010	<0.00010	0.0658	0.00013	0.00028	0.00030	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	0.00070	0.00175	0.00134	0.518	0.00029	0.00110	0.00169	<0.00010	<0.00010

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To									
ALS File No.	L557895	L557895	L557895	L557895	L557895	L552075	L557895	L557895	L557895
Date Received	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ11	JER-WQ13	JER-WQ14	JER-SW1	JER-SW3	JER-SW4A	JER-SW4	JER-TB	JER-FB
Date Sampled	23-SEP-07	23-SEP-07	23-SEP-07	24-SEP-07	23-SEP-07	09-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled	09:20	12:00	11:05	07:15	07:20	20:05	07:05	00:00	00:00

ALS Sample ID		L557895-23	L557895-12	L557895-9	L557895-15	L557895-2	L552075-2	L557895-1	L557895-21	L557895-22
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water
Iron (Fe)-Total	mg/L	<0.030	0.039	0.174	0.000980	0.050	0.075	0.037	<0.030	<0.030
Lead (Pb)-Total	mg/L	<0.000050	0.000200	0.000090	0.0326	<0.000050	0.000086	0.000386	<0.000050	<0.000050
Lithium (Li)-Total	mg/L	<0.0050	<0.0050	<0.0050	3.15	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	0.541	3.50	1.14	0.0325	4.42	8.96	8.38	<0.050	<0.050
Manganese (Mn)-Total	mg/L	0.00113	0.00293	0.00163	<0.00010	0.00114	0.0142	0.188	<0.000050	<0.000050
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	0.00151	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	0.000142	<0.000050	0.00584	0.00565	0.00714	0.00450	<0.000050	<0.000050
Nickel (Ni)-Total	mg/L	<0.00050	0.00097	<0.00050	21.2	0.00319	0.00532	0.00294	<0.00050	<0.00050
Potassium (K)-Total	mg/L	<0.50	0.80	<0.50	<0.0010	14.0	10.9	7.26	<0.50	<0.50
Selenium (Se)-Total	mg/L	<0.0010	<0.0010	<0.0010	2.77	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	0.265	0.704	0.216	0.000048	4.82	2.69	3.45	<0.050	<0.050
Silver (Ag)-Total	mg/L	<0.000010	<0.000010	<0.000010	80.0	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	<0.50	3.48	0.76	0.0219	19.2	16.4	14.9	<0.50	<0.50
Strontium (Sr)-Total	mg/L	0.00472	0.0211	0.00667	<0.00010	0.418	0.550	0.279	<0.00010	<0.00010
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010	<0.00010	0.00335	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	<0.010	<0.010	<0.010	0.000203	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	0.000087	0.00108	0.000194	<0.0010	0.000056	0.000821	0.00830	<0.000010	<0.000010
Vanadium (V)-Total	mg/L	<0.0010	<0.0010	<0.0010	0.0436	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	0.0012	0.0017	0.0023		<0.0010	<0.0010	<0.0010	<0.0010	<0.0010

Dissolved Metals					0.0333					
Aluminum (Al)-Dissolved	mg/L	0.0038	0.0062	0.0090	0.00072	<0.0010	0.0580	0.0083	-	-
Antimony (Sb)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	0.00069	0.00102	0.00046	0.00030	-	-
Arsenic (As)-Dissolved	mg/L	0.00012	0.00018	0.00021	0.0143	0.00031	0.00040	0.00035	-	-
Barium (Ba)-Dissolved	mg/L	0.00109	0.00471	0.00180	<0.00050	0.166	0.0869	0.0627	-	-
Beryllium (Be)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	-	-
Bismuth (Bi)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	0.025	<0.00050	<0.00050	<0.00050	-	-
Boron (B)-Dissolved	mg/L	<0.010	<0.010	<0.010	<0.000050	0.047	0.033	0.030	-	-
Cadmium (Cd)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	8.17	<0.000050	<0.000050	<0.000050	-	-
Calcium (Ca)-Dissolved	mg/L	1.23	6.49	2.76	0.00115	10.4	21.4	17.5	-	-
Chromium (Cr)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	0.00013	<0.00050	0.00052	<0.00050	-	-
Cobalt (Co)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	0.0183	<0.00010	0.00028	0.00024	-	-
Copper (Cu)-Dissolved	mg/L	0.00061	0.00147	0.00126	0.191	0.00018	0.00111	0.00154	-	-
Iron (Fe)-Dissolved	mg/L	<0.030	<0.030	0.082	0.000312	<0.030	0.079	<0.030	-	-
Lead (Pb)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.0302	<0.000050	<0.00015	0.000123	-	-
Lithium (Li)-Dissolved	mg/L	<0.0050	<0.0050	<0.0050	2.77	<0.0050	<0.0050	<0.0050	-	-
Magnesium (Mg)-Dissolved	mg/L	0.537	3.42	1.14	0.0260	4.27	9.01	8.34	-	-
Manganese (Mn)-Dissolved	mg/L	0.000050	0.000847	0.000541	<0.00010	0.000209	0.0142	0.185	-	-

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To									
ALS File No.	L557895	L557895	L557895	L557895	L557895	L552075	L557895	L557895	L557895
Date Received	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07	10-Sep-07	24-Sep-07	24-Sep-07	24-Sep-07
Date	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07	09-Oct-07	23-Oct-07	23-Oct-07	23-Oct-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ11	JER-WQ13	JER-WQ14	JER-SW1	JER-SW3	JER-SW4A	JER-SW4	JER-TB	JER-FB
Date Sampled	23-SEP-07	23-SEP-07	23-SEP-07	24-SEP-07	23-SEP-07	09-SEP-07	23-SEP-07	23-SEP-07	23-SEP-07
Time Sampled	09:20	12:00	11:05	07:15	07:20	20:05	07:05	00:00	00:00

ALS Sample ID		L557895-23	L557895-12	L557895-9	L557895-15	L557895-2	L552075-2	L557895-1	L557895-21	L557895-22
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water
Mercury (Hg)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	0.000436	<0.000050	<0.000050	<0.000050	-	-
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	0.000131	<0.000050	0.00440	0.00566	0.00723	0.00452	-	-
Nickel (Ni)-Dissolved	mg/L	<0.00050	0.00078	<0.00050	19.9	0.00155	0.00527	0.00275	-	-
Potassium (K)-Dissolved	mg/L	<0.50	0.78	<0.50	<0.0010	14.2	10.9	7.17	-	-
Selenium (Se)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	2.57	<0.0010	<0.0010	<0.0010	-	-
Silicon (Si)-Dissolved	mg/L	0.244	0.678	0.196	<0.000010	4.73	2.65	3.31	-	-
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000010	<0.000010	80.0	<0.000010	<0.000010	<0.000010	-	-
Sodium (Na)-Dissolved	mg/L	<0.50	3.39	0.77	0.0195	19.3	16.2	14.8	-	-
Strontium (Sr)-Dissolved	mg/L	0.00470	0.0207	0.00660	<0.00010	0.421	0.551	0.269	-	-
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	0.00360	<0.00010	<0.00010	<0.00010	-	-
Tin (Sn)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	<0.010	<0.00010	<0.00010	<0.00010	-	-
Titanium (Ti)-Dissolved	mg/L	<0.010	<0.010	<0.010	0.000106	<0.010	<0.010	<0.010	-	-
Uranium (U)-Dissolved	mg/L	0.000070	0.000920	0.000149	<0.0010	0.000037	0.000848	0.00807	-	-
Vanadium (V)-Dissolved	mg/L	<0.0010	<0.0010	<0.0010	0.0113	<0.0010	<0.0010	<0.0010	-	-
Zinc (Zn)-Dissolved	mg/L	<0.0010	<0.0010	0.0019		<0.0010	<0.0010	0.0012	-	-

Aggregate Organics

Oil and Grease	mg/L	-	-	-	1.8	-	-	-	-	-
----------------	------	---	---	---	-----	---	---	---	---	---

Organic Parameters

Total Inorganic Carbon	mg/L	0.78	3.50	2.15	69.6	5.68	5.79	9.11	<0.50	<0.50
Total Organic Carbon	mg/L	2.74	5.12	6.05	69.4	2.28	2.35	3.03	<0.50	<0.50

Taiga Labs

Taiga File No.	270703
Date Received	24-Sep-07
Date	25-Sep-07
Matrix	Water

Biochemical Oxygen Demand	mg/L	89
Fecal Coleform	CFU/100 mL	1390000

Field Water Temperature	deg C	3.01	3.57	2.44	18.56	5.36	3.23
Field Conductivity	uS/cm	14	337	24	8.45	354	267
Field DO	%	110.6	80.4	107.8	10.7	77.5	61.8
Field DO	mg/L	14.8	10.02	14.7	1.00	9.75	8.23
Field pH		8.89	6.76	7.87	7.35	7.30	6.42
Field ORP	mV	177.2	156.3	187.5	-22.2	127.7	267.9

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-Sep	23.7	0.0	16.6	Monthly	0.0	0.0	Monthly	11187.8	Monthly	629.4	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
2-Sep	27.3	0.0	19.1		0.0	0.0		17794.2		598.5							
3-Sep	29.6	0.0	20.7		0.0	0.0		13669.4		1003.0							
4-Sep	26.0	0.0	18.2		0.0	0.0		332.0		1203.9							
5-Sep	20.0	0.0	14.0		0.0	0.0				1134.3							
6-Sep	39.0	0.0	27.3		0.0	0.0				1211.8							
7-Sep	30.1	0.0	21.1		0.0	0.0				1292.9							
8-Sep	21.0	0.0	14.7		0.0	0.0				1219.7							
9-Sep	23.9	0.0	16.7		0.0	0.0				959.8							
10-Sep	87.4	0.0	61.2		0.0	0.0				559.2							
11-Sep	0.0	0.0	0.0		0.0	0.0				1128.7							
12-Sep	121.6	0.0	85.1		0.0	0.0				1189.9							
13-Sep	16.2	0.0	11.3		0.0	0.0				1177.5							
14-Sep	70.7	0.0	49.5		0.0	0.0				861.8							
15-Sep	76.0	0.0	53.2		0.0	0.0				641.9							
16-Sep	95.8	0.0	67.1		0.0	0.0				673.6							
17-Sep	119.1	0.0	83.4		0.0	0.0				755.5							
18-Sep	83.8	0.0	58.7		0.0	0.0				768.7							
19-Sep	28.5	0.0	20.0		0.0	0.0				667.1							
20-Sep	21.2	0.0	14.8		0.0	0.0				688.5							
21-Sep	23.5	0.0	16.5		0.0	0.0				624.0							
22-Sep	33.1	0.0	23.2		0.0	0.0				634.9							
23-Sep	22.1	0.0	15.5		0.0	0.0				438.4							
24-Sep	25.1	0.0	17.6		0.0	0.0				685.8							
25-Sep	25.7	0.0	18.0		0.0	0.0				646.0							
26-Sep	26.7	0.0	18.7		0.0	0.0				702.3							
27-Sep	23.6	0.0	16.5		0.0	0.0				582.2							
28-Sep	23.1	0.0	16.2		0.0	0.0				364.9							
29-Sep	43.1	0.0	30.2		0.0	0.0				793.1							
30-Sep	20.7	0.0	14.5		0.0	0.0				1097.9							
Total	1227.6	0.0	859.3	34	0.0	0.0	0	42983.4	12417	24935.1	25513	39997	19595	44046	664106	676	0