

June 26th, 2007

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

RE: Water License NWB1JER0410 Monthly SNP Report – May 2007

Following is the monthly report for May 2007 as required under Water Licence NWB1JER0410.

SNP Sampling

During the month of May 2007, 3 samples were collected, as part of the SNP sampling program. A summary of the May 2007 sampling is provided in Table 1. A sample could not be collected from JER-SW4 as the ice was unsafe to travel on during the sample schedule date.

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-SW1	30-May-07	L512227-1	
JER-SW3	29-May-07	L512227-2	
JER-SW4	N/A		Could not get to sample location due to unsafe ice cover
JER-WQ2	09-May-07	L504848-1	

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

Regards,

Cheryl Wray
Environmental Supervisor

Harold Gates
Mine Manager

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sample	Parameter Code	Result	Unit
L504848-1	JER-WQ2	5/9/2007	Acidity (as CaCO ₃)	3.4	mg/L
L504848-1	JER-WQ2	5/9/2007	Alkalinity, Bicarbonate (as CaCO ₃)	54.9	mg/L
L504848-1	JER-WQ2	5/9/2007	Alkalinity, Carbonate (as CaCO ₃)	<1.0	mg/L
L504848-1	JER-WQ2	5/9/2007	Alkalinity, Hydroxide (as CaCO ₃)	<1.0	mg/L
L504848-1	JER-WQ2	5/9/2007	Alkalinity, Total (as CaCO ₃)	54.9	mg/L
L504848-1	JER-WQ2	5/9/2007	Aluminum (Al)-Dissolved	0.0017	mg/L
L504848-1	JER-WQ2	5/9/2007	Aluminum (Al)-Total	0.0213	mg/L
L504848-1	JER-WQ2	5/9/2007	Ammonia as N	0.958	mg/L
L504848-1	JER-WQ2	5/9/2007	Antimony (Sb)-Dissolved	0.00052	mg/L
L504848-1	JER-WQ2	5/9/2007	Antimony (Sb)-Total	0.00048	mg/L
L504848-1	JER-WQ2	5/9/2007	Arsenic (As)-Dissolved	0.00055	mg/L
L504848-1	JER-WQ2	5/9/2007	Arsenic (As)-Total	0.00058	mg/L
L504848-1	JER-WQ2	5/9/2007	Barium (Ba)-Dissolved	0.066	mg/L
L504848-1	JER-WQ2	5/9/2007	Barium (Ba)-Total	0.0653	mg/L
L504848-1	JER-WQ2	5/9/2007	Beryllium (Be)-Dissolved	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	Beryllium (Be)-Total	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	Bismuth (Bi)-Dissolved	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	Bismuth (Bi)-Total	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	BOD	<5	mg/L
L504848-1	JER-WQ2	5/9/2007	Boron (B)-Dissolved	0.066	mg/L
L504848-1	JER-WQ2	5/9/2007	Boron (B)-Total	0.062	mg/L
L504848-1	JER-WQ2	5/9/2007	Cadmium (Cd)-Dissolved	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Cadmium (Cd)-Total	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Calcium (Ca)-Dissolved	20	mg/L
L504848-1	JER-WQ2	5/9/2007	Calcium (Ca)-Total	20.1	mg/L
L504848-1	JER-WQ2	5/9/2007	Chloride (Cl)	14.4	mg/L
L504848-1	JER-WQ2	5/9/2007	Chromium (Cr)-Dissolved	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	Chromium (Cr)-Total	<0.00050	mg/L
L504848-1	JER-WQ2	5/9/2007	Cobalt (Co)-Dissolved	0.00012	mg/L
L504848-1	JER-WQ2	5/9/2007	Cobalt (Co)-Total	0.00018	mg/L
L504848-1	JER-WQ2	5/9/2007	Conductivity	288	uS/cm
L504848-1	JER-WQ2	5/9/2007	Copper (Cu)-Dissolved	0.00195	mg/L
L504848-1	JER-WQ2	5/9/2007	Copper (Cu)-Total	0.00224	mg/L
L504848-1	JER-WQ2	5/9/2007	Hardness (as CaCO ₃)	95	mg/L
L504848-1	JER-WQ2	5/9/2007	Iron (Fe)-Dissolved	<0.030	mg/L
L504848-1	JER-WQ2	5/9/2007	Iron (Fe)-Total	0.05	mg/L
L504848-1	JER-WQ2	5/9/2007	Lead (Pb)-Dissolved	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Lead (Pb)-Total	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Lithium (Li)-Dissolved	<0.0050	mg/L
L504848-1	JER-WQ2	5/9/2007	Lithium (Li)-Total	<0.0050	mg/L
L504848-1	JER-WQ2	5/9/2007	Magnesium (Mg)-Dissolved	11	mg/L
L504848-1	JER-WQ2	5/9/2007	Magnesium (Mg)-Total	11.1	mg/L
L504848-1	JER-WQ2	5/9/2007	Manganese (Mn)-Dissolved	0.0644	mg/L
L504848-1	JER-WQ2	5/9/2007	Manganese (Mn)-Total	0.0669	mg/L
L504848-1	JER-WQ2	5/9/2007	Mercury (Hg)-Dissolved	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Mercury (Hg)-Total	<0.000050	mg/L
L504848-1	JER-WQ2	5/9/2007	Molybdenum (Mo)-Dissolved	0.00365	mg/L
L504848-1	JER-WQ2	5/9/2007	Molybdenum (Mo)-Total	0.00336	mg/L
L504848-1	JER-WQ2	5/9/2007	Nickel (Ni)-Dissolved	0.00456	mg/L
L504848-1	JER-WQ2	5/9/2007	Nickel (Ni)-Total	0.00399	mg/L
L504848-1	JER-WQ2	5/9/2007	Nitrate (as N)	12.1	mg/L
L504848-1	JER-WQ2	5/9/2007	Nitrite (as N)	0.0899	mg/L
L504848-1	JER-WQ2	5/9/2007	Oil and Grease	<1.0	mg/L
L504848-1	JER-WQ2	5/9/2007	Ortho Phosphate as P	0.0068	mg/L
L504848-1	JER-WQ2	5/9/2007	pH	7.58	pH
L504848-1	JER-WQ2	5/9/2007	Potassium (K)-Dissolved	10.4	mg/L
L504848-1	JER-WQ2	5/9/2007	Potassium (K)-Total	10.2	mg/L

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sample	Parameter Code	Result	Unit
L504848-1	JER-WQ2	5/9/2007	Selenium (Se)-Dissolved	<0.0010	mg/L
L504848-1	JER-WQ2	5/9/2007	Selenium (Se)-Total	<0.0010	mg/L
L504848-1	JER-WQ2	5/9/2007	Silicon (Si)-Dissolved	2.11	mg/L
L504848-1	JER-WQ2	5/9/2007	Silicon (Si)-Total	2.17	mg/L
L504848-1	JER-WQ2	5/9/2007	Silver (Ag)-Dissolved	<0.000010	mg/L
L504848-1	JER-WQ2	5/9/2007	Silver (Ag)-Total	<0.000010	mg/L
L504848-1	JER-WQ2	5/9/2007	Sodium (Na)-Dissolved	13.7	mg/L
L504848-1	JER-WQ2	5/9/2007	Sodium (Na)-Total	13.8	mg/L
L504848-1	JER-WQ2	5/9/2007	Strontium (Sr)-Dissolved	0.271	mg/L
L504848-1	JER-WQ2	5/9/2007	Strontium (Sr)-Total	0.26	mg/L
L504848-1	JER-WQ2	5/9/2007	Sulfate (SO4)	19.9	mg/L
L504848-1	JER-WQ2	5/9/2007	Thallium (Tl)-Dissolved	<0.00010	mg/L
L504848-1	JER-WQ2	5/9/2007	Thallium (Tl)-Total	<0.00010	mg/L
L504848-1	JER-WQ2	5/9/2007	Tin (Sn)-Dissolved	0.00151	mg/L
L504848-1	JER-WQ2	5/9/2007	Tin (Sn)-Total	0.00122	mg/L
L504848-1	JER-WQ2	5/9/2007	Titanium (Ti)-Dissolved	<0.010	mg/L
L504848-1	JER-WQ2	5/9/2007	Titanium (Ti)-Total	<0.010	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Dissolved Phosphate As P	0.0097	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Dissolved Solids	174	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Inorganic Carbon	8.18	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Organic Carbon	2.57	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Phosphate as P	0.0169	mg/L
L504848-1	JER-WQ2	5/9/2007	Total Suspended Solids	<3.0	mg/L
L504848-1	JER-WQ2	5/9/2007	Turbidity	1.49	NTU
L504848-1	JER-WQ2	5/9/2007	Uranium (U)-Dissolved	0.00108	mg/L
L504848-1	JER-WQ2	5/9/2007	Uranium (U)-Total	0.00109	mg/L
L504848-1	JER-WQ2	5/9/2007	Vanadium (V)-Dissolved	<0.0010	mg/L
L504848-1	JER-WQ2	5/9/2007	Vanadium (V)-Total	<0.0010	mg/L
L504848-1	JER-WQ2	5/9/2007	Zinc (Zn)-Dissolved	0.0012	mg/L
L504848-1	JER-WQ2	5/9/2007	Zinc (Zn)-Total	0.0015	mg/L
L512227-1	JER-SW1	5/30/2007	Total Phosphate as P	8.71	mg/L
L512227-1	JER-SW1	5/30/2007	Total Dissolved Phosphate As P	7.33	mg/L
L512227-1	JER-SW1	5/30/2007	Nitrite (as N)	<0.0010	mg/L
L512227-1	JER-SW1	5/30/2007	Chloride (Cl)	38.9	mg/L
L512227-1	JER-SW1	5/30/2007	Ammonia as N	64.3	mg/L
L512227-1	JER-SW1	5/30/2007	Total Inorganic Carbon	71	mg/L
L512227-1	JER-SW1	5/30/2007	Total Suspended Solids	43.2	mg/L
L512227-1	JER-SW1	5/30/2007	Acidity (as CaCO3)	27	mg/L
L512227-1	JER-SW1	5/30/2007	Alkalinity, Carbonate (as CaCO3)	<1.0	mg/L
L512227-1	JER-SW1	5/30/2007	Beryllium (Be)-Dissolved	<0.00050	mg/L
L512227-1	JER-SW1	5/30/2007	Barium (Ba)-Dissolved	0.0073	mg/L
L512227-1	JER-SW1	5/30/2007	Arsenic (As)-Dissolved	0.00054	mg/L
L512227-1	JER-SW1	5/30/2007	Antimony (Sb)-Dissolved	0.00051	mg/L
L512227-1	JER-SW1	5/30/2007	Aluminum (Al)-Dissolved	0.0321	mg/L
L512227-1	JER-SW1	5/30/2007	pH	7.63	pH
L512227-1	JER-SW1	5/30/2007	Conductivity	931	uS/cm
L512227-1	JER-SW1	5/30/2007	Alkalinity, Total (as CaCO3)	336.5	mg/L
L512227-1	JER-SW1	5/30/2007	Alkalinity, Hydroxide (as CaCO3)	<1.0	mg/L
L512227-1	JER-SW1	5/30/2007	Lithium (Li)-Dissolved	0.0252	mg/L
L512227-1	JER-SW1	5/30/2007	Lead (Pb)-Dissolved	0.000313	mg/L
L512227-1	JER-SW1	5/30/2007	Copper (Cu)-Dissolved	0.0319	mg/L
L512227-1	JER-SW1	5/30/2007	Cobalt (Co)-Dissolved	0.00016	mg/L
L512227-1	JER-SW1	5/30/2007	Chromium (Cr)-Dissolved	0.00091	mg/L
L512227-1	JER-SW1	5/30/2007	Calcium (Ca)-Dissolved	8.13	mg/L
L512227-1	JER-SW1	5/30/2007	Cadmium (Cd)-Dissolved	<0.000050	mg/L
L512227-1	JER-SW1	5/30/2007	Boron (B)-Dissolved	0.02	mg/L
L512227-1	JER-SW1	5/30/2007	Bismuth (Bi)-Dissolved	<0.00050	mg/L

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sample	Parameter Code	Result	Unit
L512227-1	JER-SW1	5/30/2007	Strontium (Sr)-Dissolved	0.02	mg/L
L512227-1	JER-SW1	5/30/2007	Sodium (Na)-Dissolved	75.1	mg/L
L512227-1	JER-SW1	5/30/2007	Silver (Ag)-Dissolved	0.000013	mg/L
L512227-1	JER-SW1	5/30/2007	Selenium (Se)-Dissolved	<0.0010	mg/L
L512227-1	JER-SW1	5/30/2007	Potassium (K)-Dissolved	20.4	mg/L
L512227-1	JER-SW1	5/30/2007	Nickel (Ni)-Dissolved	0.0043	mg/L
L512227-1	JER-SW1	5/30/2007	Molybdenum (Mo)-Dissolved	0.000409	mg/L
L512227-1	JER-SW1	5/30/2007	Manganese (Mn)-Dissolved	0.0303	mg/L
L512227-1	JER-SW1	5/30/2007	Magnesium (Mg)-Dissolved	2.8	mg/L
L512227-1	JER-SW1	5/30/2007	Mercury (Hg)-Dissolved	<0.000050	mg/L
L512227-1	JER-SW1	5/30/2007	Hardness (as CaCO3)	31.9	mg/L
L512227-1	JER-SW1	5/30/2007	Titanium (Ti)-Total	<0.010	mg/L
L512227-1	JER-SW1	5/30/2007	Silicon (Si)-Total	2.05	mg/L
L512227-1	JER-SW1	5/30/2007	Iron (Fe)-Total	0.625	mg/L
L512227-1	JER-SW1	5/30/2007	Titanium (Ti)-Dissolved	<0.010	mg/L
L512227-1	JER-SW1	5/30/2007	Silicon (Si)-Dissolved	1.89	mg/L
L512227-1	JER-SW1	5/30/2007	Iron (Fe)-Dissolved	0.338	mg/L
L512227-1	JER-SW1	5/30/2007	Copper (Cu)-Total	0.09	mg/L
L512227-1	JER-SW1	5/30/2007	Oil and Grease	1.7	mg/L
L512227-1	JER-SW1	5/30/2007	Mercury (Hg)-Total	<0.000050	mg/L
L512227-1	JER-SW1	5/30/2007	Cobalt (Co)-Total	0.00034	mg/L
L512227-1	JER-SW1	5/30/2007	Chromium (Cr)-Total	0.00202	mg/L
L512227-1	JER-SW1	5/30/2007	Calcium (Ca)-Total	8.93	mg/L
L512227-1	JER-SW1	5/30/2007	Cadmium (Cd)-Total	0.00008	mg/L
L512227-1	JER-SW1	5/30/2007	Boron (B)-Total	0.022	mg/L
L512227-1	JER-SW1	5/30/2007	Bismuth (Bi)-Total	0.00084	mg/L
L512227-1	JER-SW1	5/30/2007	Beryllium (Be)-Total	<0.00050	mg/L
L512227-1	JER-SW1	5/30/2007	Barium (Ba)-Total	0.0107	mg/L
L512227-1	JER-SW1	5/30/2007	Zinc (Zn)-Total	0.0545	mg/L
L512227-1	JER-SW1	5/30/2007	Vanadium (V)-Total	<0.0010	mg/L
L512227-1	JER-SW1	5/30/2007	Uranium (U)-Total	0.000207	mg/L
L512227-1	JER-SW1	5/30/2007	Tin (Sn)-Total	0.00229	mg/L
L512227-1	JER-SW1	5/30/2007	Thallium (Tl)-Total	<0.00010	mg/L
L512227-1	JER-SW1	5/30/2007	Strontium (Sr)-Total	0.0211	mg/L
L512227-1	JER-SW1	5/30/2007	Sodium (Na)-Total	77.1	mg/L
L512227-1	JER-SW1	5/30/2007	Silver (Ag)-Total	0.00005	mg/L
L512227-1	JER-SW1	5/30/2007	Selenium (Se)-Total	<0.0010	mg/L
L512227-1	JER-SW1	5/30/2007	Potassium (K)-Total	20.9	mg/L
L512227-1	JER-SW1	5/30/2007	Nickel (Ni)-Total	0.00638	mg/L
L512227-1	JER-SW1	5/30/2007	Molybdenum (Mo)-Total	0.00191	mg/L
L512227-1	JER-SW1	5/30/2007	Manganese (Mn)-Total	0.0362	mg/L
L512227-1	JER-SW1	5/30/2007	Magnesium (Mg)-Total	3.15	mg/L
L512227-1	JER-SW1	5/30/2007	Lithium (Li)-Total	0.0265	mg/L
L512227-1	JER-SW1	5/30/2007	Lead (Pb)-Total	0.00115	mg/L
L512227-1	JER-SW1	5/30/2007	Arsenic (As)-Total	0.00061	mg/L
L512227-1	JER-SW1	5/30/2007	Antimony (Sb)-Total	0.00111	mg/L
L512227-1	JER-SW1	5/30/2007	Aluminum (Al)-Total	0.14	mg/L
L512227-1	JER-SW1	5/30/2007	Zinc (Zn)-Dissolved	0.0128	mg/L
L512227-1	JER-SW1	5/30/2007	Vanadium (V)-Dissolved	<0.0010	mg/L
L512227-1	JER-SW1	5/30/2007	Uranium (U)-Dissolved	0.000095	mg/L
L512227-1	JER-SW1	5/30/2007	Tin (Sn)-Dissolved	0.00222	mg/L
L512227-1	JER-SW1	5/30/2007	Thallium (Tl)-Dissolved	<0.00010	mg/L
L512227-1	JER-SW1	5/30/2007	Alkalinity, Bicarbonate (as CaCO3)	336.5	mg/L
L512227-1	JER-SW1	5/30/2007	Total Dissolved Solids	318	mg/L
L512227-1	JER-SW1	5/30/2007	Total Organic Carbon	59.5	mg/L
L512227-1	JER-SW1	5/30/2007	Turbidity	27.4	NTU
L512227-1	JER-SW1	5/30/2007	Ortho Phosphate as P	7.36	mg/L

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sample	Parameter Code	Result	Unit
L512227-1	JER-SW1	5/30/2007	Nitrate (as N)	<0.0050	mg/L
L512227-1	JER-SW1	5/30/2007	Sulfate (SO4)	46.6	mg/L
270261-001	JER-SW1	5/30/2007	Biological Oxygen Demand	*	
270261-001	JER-SW1	5/30/2007	Fecal Coliform	660000	CFU/100mL
L512227-2	JER-SW3	5/29/2007	Ortho Phosphate as P	0.0011	mg/L
L512227-2	JER-SW3	5/29/2007	Hardness (as CaCO3)	32.1	mg/L
L512227-2	JER-SW3	5/29/2007	Aluminum (Al)-Dissolved	0.0046	mg/L
L512227-2	JER-SW3	5/29/2007	Zinc (Zn)-Dissolved	<0.0010	mg/L
L512227-2	JER-SW3	5/29/2007	Copper (Cu)-Dissolved	0.00019	mg/L
L512227-2	JER-SW3	5/29/2007	Mercury (Hg)-Total	<0.000050	mg/L
L512227-2	JER-SW3	5/29/2007	Mercury (Hg)-Dissolved	<0.000050	mg/L
L512227-2	JER-SW3	5/29/2007	Titanium (Ti)-Total	0.148	mg/L
L512227-2	JER-SW3	5/29/2007	Silicon (Si)-Total	19.1	mg/L
L512227-2	JER-SW3	5/29/2007	Iron (Fe)-Total	5.27	mg/L
L512227-2	JER-SW3	5/29/2007	Titanium (Ti)-Dissolved	<0.010	mg/L
L512227-2	JER-SW3	5/29/2007	Silicon (Si)-Dissolved	3.51	mg/L
L512227-2	JER-SW3	5/29/2007	Iron (Fe)-Dissolved	<0.030	mg/L
L512227-2	JER-SW3	5/29/2007	Zinc (Zn)-Total	0.0079	mg/L
L512227-2	JER-SW3	5/29/2007	Vanadium (V)-Total	0.004	mg/L
L512227-2	JER-SW3	5/29/2007	Uranium (U)-Total	0.000985	mg/L
L512227-2	JER-SW3	5/29/2007	Tin (Sn)-Total	0.00012	mg/L
L512227-2	JER-SW3	5/29/2007	Thallium (Tl)-Total	<0.00010	mg/L
L512227-2	JER-SW3	5/29/2007	Strontium (Sr)-Total	0.345	mg/L
L512227-2	JER-SW3	5/29/2007	Sodium (Na)-Total	14.2	mg/L
L512227-2	JER-SW3	5/29/2007	Silver (Ag)-Total	0.000022	mg/L
L512227-2	JER-SW3	5/29/2007	Selenium (Se)-Total	<0.0010	mg/L
L512227-2	JER-SW3	5/29/2007	Potassium (K)-Total	13	mg/L
L512227-2	JER-SW3	5/29/2007	Nickel (Ni)-Total	0.192	mg/L
L512227-2	JER-SW3	5/29/2007	Molybdenum (Mo)-Total	0.0101	mg/L
L512227-2	JER-SW3	5/29/2007	Manganese (Mn)-Total	0.0892	mg/L
L512227-2	JER-SW3	5/29/2007	Bismuth (Bi)-Dissolved	<0.00050	mg/L
L512227-2	JER-SW3	5/29/2007	Beryllium (Be)-Dissolved	<0.00050	mg/L
L512227-2	JER-SW3	5/29/2007	Barium (Ba)-Dissolved	0.129	mg/L
L512227-2	JER-SW3	5/29/2007	Arsenic (As)-Dissolved	0.00039	mg/L
L512227-2	JER-SW3	5/29/2007	Antimony (Sb)-Dissolved	0.00235	mg/L
L512227-2	JER-SW3	5/29/2007	pH	8.06	pH
L512227-2	JER-SW3	5/29/2007	Conductivity	193	uS/cm
L512227-2	JER-SW3	5/29/2007	Alkalinity, Total (as CaCO3)	43.9	mg/L
L512227-2	JER-SW3	5/29/2007	Alkalinity, Hydroxide (as CaCO3)	<1.0	mg/L
L512227-2	JER-SW3	5/29/2007	Thallium (Tl)-Dissolved	<0.00010	mg/L
L512227-2	JER-SW3	5/29/2007	Strontium (Sr)-Dissolved	0.311	mg/L
L512227-2	JER-SW3	5/29/2007	Sodium (Na)-Dissolved	13.9	mg/L
L512227-2	JER-SW3	5/29/2007	Silver (Ag)-Dissolved	<0.000010	mg/L
L512227-2	JER-SW3	5/29/2007	Selenium (Se)-Dissolved	<0.0010	mg/L
L512227-2	JER-SW3	5/29/2007	Potassium (K)-Dissolved	12.1	mg/L
L512227-2	JER-SW3	5/29/2007	Nickel (Ni)-Dissolved	0.00274	mg/L
L512227-2	JER-SW3	5/29/2007	Molybdenum (Mo)-Dissolved	0.0101	mg/L
L512227-2	JER-SW3	5/29/2007	Manganese (Mn)-Dissolved	0.000687	mg/L
L512227-2	JER-SW3	5/29/2007	Bismuth (Bi)-Total	<0.00050	mg/L
L512227-2	JER-SW3	5/29/2007	Beryllium (Be)-Total	<0.00050	mg/L
L512227-2	JER-SW3	5/29/2007	Barium (Ba)-Total	0.2	mg/L
L512227-2	JER-SW3	5/29/2007	Arsenic (As)-Total	0.00058	mg/L
L512227-2	JER-SW3	5/29/2007	Antimony (Sb)-Total	0.00217	mg/L
L512227-2	JER-SW3	5/29/2007	Aluminum (Al)-Total	1.83	mg/L
L512227-2	JER-SW3	5/29/2007	Vanadium (V)-Dissolved	<0.0010	mg/L
L512227-2	JER-SW3	5/29/2007	Uranium (U)-Dissolved	0.000036	mg/L

Table 2. Water Chemistry Results

Sample Number	Sample ID	Date Sample	Parameter Code	Result	Unit
L512227-2	JER-SW3	5/29/2007	Tin (Sn)-Dissolved	<0.00010	mg/L
L512227-2	JER-SW3	5/29/2007	Magnesium (Mg)-Total	20.4	mg/L
L512227-2	JER-SW3	5/29/2007	Lithium (Li)-Total	<0.0050	mg/L
L512227-2	JER-SW3	5/29/2007	Lead (Pb)-Total	0.00149	mg/L
L512227-2	JER-SW3	5/29/2007	Copper (Cu)-Total	0.0108	mg/L
L512227-2	JER-SW3	5/29/2007	Cobalt (Co)-Total	0.0101	mg/L
L512227-2	JER-SW3	5/29/2007	Chromium (Cr)-Total	0.0601	mg/L
L512227-2	JER-SW3	5/29/2007	Calcium (Ca)-Total	13.6	mg/L
L512227-2	JER-SW3	5/29/2007	Cadmium (Cd)-Total	0.00007	mg/L
L512227-2	JER-SW3	5/29/2007	Boron (B)-Total	0.047	mg/L
L512227-2	JER-SW3	5/29/2007	Magnesium (Mg)-Dissolved	2	mg/L
L512227-2	JER-SW3	5/29/2007	Lithium (Li)-Dissolved	<0.0050	mg/L
L512227-2	JER-SW3	5/29/2007	Lead (Pb)-Dissolved	<0.000050	mg/L
L512227-2	JER-SW3	5/29/2007	Cobalt (Co)-Dissolved	<0.00010	mg/L
L512227-2	JER-SW3	5/29/2007	Chromium (Cr)-Dissolved	<0.00050	mg/L
L512227-2	JER-SW3	5/29/2007	Calcium (Ca)-Dissolved	9.56	mg/L
L512227-2	JER-SW3	5/29/2007	Cadmium (Cd)-Dissolved	<0.000050	mg/L
L512227-2	JER-SW3	5/29/2007	Boron (B)-Dissolved	0.044	mg/L
L512227-2	JER-SW3	5/29/2007	Alkalinity, Carbonate (as CaCO3)	<1.0	mg/L
L512227-2	JER-SW3	5/29/2007	Alkalinity, Bicarbonate (as CaCO3)	43.9	mg/L
L512227-2	JER-SW3	5/29/2007	Acidity (as CaCO3)	<1.0	mg/L
L512227-2	JER-SW3	5/29/2007	Total Dissolved Solids	110	mg/L
L512227-2	JER-SW3	5/29/2007	Total Suspended Solids	196	mg/L
L512227-2	JER-SW3	5/29/2007	Total Organic Carbon	1.95	mg/L
L512227-2	JER-SW3	5/29/2007	Total Inorganic Carbon	8.68	mg/L
L512227-2	JER-SW3	5/29/2007	Turbidity	84.7	NTU
L512227-2	JER-SW3	5/29/2007	Sulfate (SO4)	21	mg/L
L512227-2	JER-SW3	5/29/2007	Total Phosphate as P	0.109	mg/L
L512227-2	JER-SW3	5/29/2007	Chloride (Cl)	7.2	mg/L
L512227-2	JER-SW3	5/29/2007	Ammonia as N	0.704	mg/L
L512227-2	JER-SW3	5/29/2007	Nitrate (as N)	3.7	mg/L
L512227-2	JER-SW3	5/29/2007	Nitrite (as N)	0.835	mg/L
L512227-2	JER-SW3	5/29/2007	Total Dissolved Phosphate As P	0.0042	mg/L
Field Measurements	JER-SW1	5/30/2007	Water Temperature	18.99	Deg C
Field Measurements	JER-SW1	5/30/2007	Field pH	7.5	pH
Field Measurements	JER-SW1	5/30/2007	Field Conductivity	953	us/cm
Field Measurements	JER-SW1	5/30/2007	Field Dissolved Oxygen	1.23	mg/L
Field Measurements	JER-SW1	5/30/2007	Oxidation Reduction Potential	95	mV
Field Measurements	JER-SW3	5/29/2007	Water Temperature	20.12	Deg C
Field Measurements	JER-SW3	5/29/2007	Field pH	8.42	pH
Field Measurements	JER-SW3	5/29/2007	Field Conductivity	416	us/cm
Field Measurements	JER-SW3	5/29/2007	Field Dissolved Oxygen	6.92	mg/L
Field Measurements	JER-SW3	5/29/2007	Oxidation Reduction Potential	188.4	mV
Field Measurements	JER-WQ2	5/9/2007	Water Temperature	1.7	Deg C
Field Measurements	JER-WQ2	5/9/2007	Field pH	6.05	pH
Field Measurements	JER-WQ2	5/9/2007	Field Conductivity	263	us/cm
Field Measurements	JER-WQ2	5/9/2007	Field Dissolved Oxygen	11.48	mg/L
Field Measurements	JER-WQ2	5/9/2007	Oxidation Reduction Potential	310.5	mV

*Residual DO was less than 1mg/L. No results available

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 East Sump (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-May	28.2		19.7	Monthly			Monthly		Monthly	82.0	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
2-May	31.9		22.3							15.6							
3-May	26.0		18.2							12.9							
4-May	45.4		31.8							542.9							
5-May	24.1		16.9							778.3							
6-May	24.6		17.2							671.6							
7-May	25.6		17.9							761.7							
8-May	36.1		25.3							736.5							
9-May	20.9		14.6							268.3							
10-May	39.2		27.4							403.3							
11-May	23.3		16.3							698.3							
12-May	24.5		17.2							755.0							
13-May	26.3		18.4							800.8							
14-May	26.3		18.4							619.3							
15-May	26.3		18.4							706.3							
16-May	26.3		18.4							794.8							
17-May	32.0		22.4							709.4							
18-May	26.0		18.2							833.7							
19-May	24.0		16.8							858.9							
20-May	29.0		20.3							912.9							
21-May	24.2		16.9							810.6							
22-May	33.7		23.6							867.8							
23-May	27.0		18.9							887.6							
24-May	28.8		20.2							855.1							
25-May	22.1		15.5							848.4							
26-May	23.2		16.2							777.5							
27-May	26.4		18.5							1,099.0							
28-May	32.6		22.8							886.9							
29-May	36.9		25.8							916.2							
30-May	21.8		15.3							955.0							
31-May	25.4		17.8							834.8							
Total	868.1		607.7	40.5	0.0	0.0	0.0	0.0	0.0	21,701.5	20,866.7	28,194	6,543	34,876	618,579.0	706.0	5,207.0