

28 September 2007

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

RE: Water License NWB1JER0410 Monthly SNP Report – August 2007

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

SNP Sampling

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

Table 1: SNP Water Sampling Summary

SNP Station	Sampling Date	Lab#	Comment
JER-WQ2	8-Aug-07	L539594	ALS Environmental Labs
JER-WQ2	8-Aug-07	270532	Taiga Labs
JER-WQ2	11-Aug-07	L543213	ALS Environmental Labs
JER-WQ2	15-Aug-07	L543212	ALS Environmental Labs
JER-WQ2	15-Aug-07	270551	Taiga Labs
JER-SW3	20-Aug-07	L545480	ALS Environmental Labs
JER-SW4	20-Aug-07	L545480	ALS Environmental Labs
JER-WQ2	20-Aug-07	L545480	ALS Environmental Labs
JER-WQ2	20-Aug-07	270570	Taiga Labs
JER-SW1	20-Aug-07	L545480	ALS Environmental Labs
JER-WQ11	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ10	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ5	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ4	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ3	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ13	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ12	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ12, F1	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ14	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ8	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ9	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ7	25-Aug-07	L546749	ALS Environmental Labs
JER-SW2	25-Aug-07	L546749	ALS Environmental Labs
JER-WQ1	27-Aug-07	L546749	ALS Environmental Labs
JER-WQ1	27-Aug-07	270599	Taiga Labs

SNP Station	Sampling Date	Lab#	Comment
JER-WQ2	27-Aug-07	L546749	ALS Environmental Labs
JER-WQ2	27-Aug-07	270599	Taiga Labs

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 August 2007. The acute and chronic toxicity tests from Hydroqual Labs are attached. A location map for C21, a control stream sample site added in 2007 is also attached.

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

Regards,



Bruce Ott
Director, Environment

Harold Gates
Mine Manager

TABLE 2 - AUGUST 2007

Project	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO	JERICO
Report To	ENVIRONMENT DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L543213	L546749	L539594	L543213	L543212	L545480	L546749	L546749	L546749	L546749	L546749	L546749
Date Received	16-Aug-07	27-AUG-07	08-Aug-07	16-Aug-07	16-Aug-07	22-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07
Date	11-Sep-07	27-Sep-07	27-Aug-07	11-Sep-07	11-Sep-07	13-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ1	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ3	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ7
Date Sampled		11-AUG-07	27-AUG-07	08-AUG-07	11-AUG-07	15-AUG-07	20-AUG-07	27-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	25-AUG-07
Time Sampled		00:00	06:45	07:00	00:00	09:00	07:30	06:20	13:30	13:15	13:00	09:30	16:10
ALS Sample ID		L543213-3	L546749-17	L539594-1	L543213-2	L543212-1	L545480-4	L546749-18	L546749-5	L546749-4	L546749-3	L546749-15	L546749-12
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water

Physical Tests													
Hardness (as CaCO3)	mg/L	5.43	6.05	89	81.8	81.7	85.9	82.2	70.8	6.64	6.57	5.13	5.37
Conductivity	uS/cm	15.2	-	293	289	291	286	313	245	19.5	19.4	15.4	14.7
pH		6.82	-	7.88	7.82	7.83	7.82	7.76	7.54	6.90	6.88	6.89	6.86
Total Dissolved Solids	mg/L	<10	-	220	199	202	212	216	173	19.0	19.0	14.0	17.0
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	0.55	-	0.70	0.82	0.66	0.72	1.28	0.24	0.51	0.39	0.37	0.34

Anions and Nutrients													
Ammonia as N	mg N/L	0.0076	-	0.113	0.102	0.113	0.169	0.297	<0.0050	0.0092	0.0062	0.0093	0.0090
Acidity (as CaCO3)	mg/L	1.3	-	1.5	<1.0	1.0	3.5	3.3	3.3	1.3	2.1	1.9	1.6
Alkalinity, Bicarbonate (as CaCO3)	mg/L	4.6	-	34.8	32.8	32.4	30.9	31.5	24.8	4.9	4.9	4.4	4.3
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	4.6	-	34.8	32.8	32.4	30.9	31.5	24.8	4.9	4.9	4.4	4.3
Chloride (Cl)	mg/L	<0.50	-	11.7	13.3	13.3	13.5	14.6	12.8	0.69	0.60	<0.50	<0.50
Sulfate (SO4)	mg/L	1.10	-	21.5	21.8	22.5	22.5	25.0	20.9	1.59	1.50	1.11	1.07
Nitrate (as N)	mg N/L	0.0250	-	16.2	15.6	15.6	15.9	17.5	12.7	0.254	0.196	0.0524	0.0237
Nitrite (as N)	mg N/L	<0.0010	-	0.134	0.120	0.111	0.117	0.169	0.0062	<0.0010	<0.0010	0.0010	<0.0010
Total Kjeldahl Nitrogen	mg N/L	<0.0010	-	-	<0.0010	<0.0010	-	-	-	-	-	-	-
Ortho Phosphate as P	mg P/L	<0.0020	-	0.0010	0.0021	0.0023	<0.0010	0.0012	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	0.0034	-	0.0027	0.0141	0.0050	0.0028	0.0029	<0.0020	<0.0020	<0.0020	<0.0020	0.0021
Total Phosphate as P	mg P/L		-	0.0153			0.0059	0.106	0.0039	0.0039	0.0031	0.0023	0.0062

Total Metals		0.0170			0.0203	0.0142							
Aluminum (Al)-Total	mg/L	<0.00010	0.0191	0.0169	0.00047	0.00046	0.0128	0.0259	0.0139	0.0154	0.0151	0.0141	0.0246
Antimony (Sb)-Total	mg/L	0.00017	<0.00010	0.00044	0.00047	0.00046	0.00048	0.00048	0.00021	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00180	0.00016	0.00045	0.0543	0.0556	0.00051	0.00050	0.00021	0.00017	0.00018	0.00018	0.00017
Barium (Ba)-Total	mg/L	<0.00050	0.00172	0.0507	<0.00050	<0.00050	0.0607	0.0790	0.0266	0.00182	0.00177	0.00179	0.00189
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	<0.010	<0.00050	<0.00050	0.032	0.032	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Boron (B)-Total	mg/L	<0.000050	<0.010	0.033	<0.000050	<0.000050	0.034	0.039	0.025	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	1.18	<0.000050	<0.000050	18.3	18.5	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	<0.00050	1.38	19.2	<0.00050	<0.00050	20.0	20.5	14.6	1.37	1.39	1.10	1.30
Chromium (Cr)-Total	mg/L	<0.00010	<0.00050	<0.00050	0.00018	0.00015	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	0.00087	<0.00010	0.00017	0.00141	0.00131	0.00015	0.00019	0.00014	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	<0.030	0.00158	0.00162	0.037	<0.030	0.00203	0.00102	0.00068	0.00082	0.00089	0.00080	0.00161

Project	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH
Report To	ENVIRONMENT DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L543213	L546749	L539594	L543213	L543212	L545480	L546749	L546749	L546749	L546749	L546749	L546749
Date Received	16-Aug-07	27-AUG-07	08-Aug-07	16-Aug-07	16-Aug-07	22-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07
Date	11-Sep-07	27-Sep-07	27-Aug-07	11-Sep-07	11-Sep-07	13-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ1	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ3	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ7
Date Sampled		11-AUG-07	27-AUG-07	08-AUG-07	11-AUG-07	15-AUG-07	20-AUG-07	27-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	25-AUG-07
Time Sampled		00:00	06:45	07:00	00:00	09:00	07:30	06:20	13:30	13:15	13:00	09:30	16:10
ALS Sample ID		L543213-3	L546749-17	L539594-1	L543213-2	L543212-1	L545480-4	L546749-18	L546749-5	L546749-4	L546749-3	L546749-15	L546749-12
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Iron (Fe)-Total	mg/L	<0.000050	<0.030	<0.030	0.000058	<0.000050	<0.030	0.045	<0.030	<0.030	<0.030	<0.030	0.050
Lead (Pb)-Total	mg/L	<0.0050	<0.000050	<0.000050	<0.0050	<0.0050	0.000100	0.000050	<0.000050	<0.000050	0.000062	<0.000050	<0.000050
Lithium (Li)-Total	mg/L	0.606	<0.0050	<0.0050	8.77	8.59	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	0.00324	0.646	9.17	0.00864	0.00639	8.43	7.73	7.94	0.757	0.773	0.614	0.620
Manganese (Mn)-Total	mg/L	<0.000050	0.00185	0.00899	<0.000050	<0.000050	0.00423	0.00531	0.00222	0.00217	0.00231	0.00218	0.00400
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	0.00630	0.00667	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	<0.000050	0.00579	0.00222	0.00222	0.00747	0.00781	0.00167	<0.000050	<0.000050	0.000104	<0.000050
Nickel (Ni)-Total	mg/L	<0.50	<0.000050	0.00204	8.80	9.11	0.00267	0.00380	0.00055	<0.000050	<0.000050	<0.000050	<0.000050
Potassium (K)-Total	mg/L	<0.0010	<0.50	8.88	<0.0010	<0.0010	10.0	11.2	6.91	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Total	mg/L	0.169	<0.0010	<0.0010	1.79	1.78	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	<0.000010	0.182	1.55	<0.000010	<0.000010	2.04	2.34	1.30	0.141	0.149	0.182	0.167
Silver (Ag)-Total	mg/L	0.53	<0.000010	<0.000010	13.6	14.4	0.000012	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	0.00536	0.54	13.2	0.359	0.379	16.0	16.4	12.8	0.78	0.80	0.55	0.57
Strontium (Sr)-Total	mg/L	<0.00010	0.00546	0.327	<0.00010	<0.00010	0.424	0.511	0.157	0.00715	0.00684	0.00520	0.00546
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00409	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.010	<0.00010	<0.00010	<0.010	<0.010	0.0164	0.00211	<0.00010	0.00649	<0.00010	0.00580	<0.00010
Titanium (Ti)-Total	mg/L	0.000148	<0.010	<0.010	0.00136	0.00129	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Total	mg/L	<0.0010	0.000180	0.00157	<0.0010	<0.0010	0.00117	0.000749	0.000060	0.000123	0.000132	0.000165	0.000165
Vanadium (V)-Total	mg/L	0.0011	<0.0010	<0.0010	<0.0010	0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L		<0.0010	0.0016			0.0029	<0.0010	<0.0010	<0.0010	0.0020	0.0033	<0.0030
Dissolved Metals		<1.0			<1.0	0.0045							
Aluminum (Al)-Dissolved	mg/L		<0.010	<0.0060		0.00047	0.0036	<0.0020	0.0146	<0.0070	<0.0060	<0.0090	<0.0090
Antimony (Sb)-Dissolved	mg/L		<0.00010	0.00046		0.00048	0.00048	0.00047	0.00022	<0.00010	<0.00010	<0.00010	<0.00010
Arsenic (As)-Dissolved	mg/L	0.63	0.00016	0.00045	6.20	0.0557	0.00048	0.00052	0.00023	0.00017	0.00017	0.00016	0.00015
Barium (Ba)-Dissolved	mg/L	2.80	0.00167	0.0517	2.67	<0.000050	0.0608	0.0777	0.0271	0.00173	0.00156	0.00164	0.00169
Beryllium (Be)-Dissolved	mg/L		<0.000050	<0.000050		<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Bismuth (Bi)-Dissolved	mg/L		<0.000050	<0.000050		0.033	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Boron (B)-Dissolved	mg/L		<0.010	0.034		<0.000050	0.034	0.038	0.026	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Dissolved	mg/L		<0.000050	<0.000050		18.4	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Calcium (Ca)-Dissolved	mg/L		1.37	19.9		<0.000050	20.3	20.3	14.8	1.38	1.37	1.07	1.20
Chromium (Cr)-Dissolved	mg/L		<0.000050	<0.000050		0.00012	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Cobalt (Co)-Dissolved	mg/L		<0.00010	0.00013		<0.0011	0.00010	0.00011	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Copper (Cu)-Dissolved	mg/L		0.00135	0.00137		<0.030	0.00130	<0.00080	<0.00070	<0.00080	<0.00080	<0.00080	<0.00070
Iron (Fe)-Dissolved	mg/L		<0.030	<0.030		<0.000050	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Lead (Pb)-Dissolved	mg/L		<0.000050	<0.000050		<0.0050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Lithium (Li)-Dissolved	mg/L		<0.0050	<0.0050		8.66	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Magnesium (Mg)-Dissolved	mg/L		0.636	9.52		<0.000030	8.54	7.63	8.18	0.774	0.762	0.598	0.576
Manganese (Mn)-Dissolved	mg/L		0.000051	<0.00040		<0.000050	0.000181	0.000173	0.00136	<0.000050	<0.000050	<0.000050	0.000062

Project	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH	JERICOH
Report To	ENVIRONMENT DEPARTMENT, TAHERA DIAMOND CORPORATION											
ALS File No.	L543213	L546749	L539594	L543213	L543212	L545480	L546749	L546749	L546749	L546749	L546749	L546749
Date Received	16-Aug-07	27-AUG-07	08-Aug-07	16-Aug-07	16-Aug-07	22-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07
Date	11-Sep-07	27-Sep-07	27-Aug-07	11-Sep-07	11-Sep-07	13-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID	JER-WQ1	JER-WQ1	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ2	JER-WQ3	JER-WQ4	JER-WQ5	JER-WQ6	JER-WQ7
Date Sampled	11-AUG-07	27-AUG-07	08-AUG-07	11-AUG-07	15-AUG-07	20-AUG-07	27-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	25-AUG-07
Time Sampled	00:00	06:45	07:00	00:00	09:00	07:30	06:20	13:30	13:15	13:00	09:30	16:10
ALS Sample ID	L543213-3	L546749-17	L539594-1	L543213-2	L543212-1	L545480-4	L546749-18	L546749-5	L546749-4	L546749-3	L546749-15	L546749-12
Matrix	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Mercury (Hg)-Dissolved	mg/L	<0.000050	<0.000050		0.00683	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	0.00606		<0.0020	0.00738	0.00770	0.00176	<0.000050	<0.000050	<0.000050	<0.000050
Nickel (Ni)-Dissolved	mg/L	<0.00050	0.00176		9.28	0.00222	0.00297	0.00059	<0.00050	<0.00050	<0.00050	<0.00050
Potassium (K)-Dissolved	mg/L	<0.50	9.23		<0.0010	10.2	11.2	7.09	<0.50	<0.50	<0.50	<0.50
Selenium (Se)-Dissolved	mg/L	<0.0010	<0.0010		1.78	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	mg/L	0.158	1.52		<0.000010	2.05	2.30	1.28	0.130	0.131	0.153	0.143
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000010		14.6	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Sodium (Na)-Dissolved	mg/L	0.54	13.8		0.380	16.1	16.5	13.1	0.80	0.79	0.53	0.55
Strontium (Sr)-Dissolved	mg/L	0.00544	0.340		<0.00010	0.428	0.510	0.160	0.00720	0.00680	0.00485	0.00501
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00010		0.00149	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	mg/L	<0.00010	<0.00010		<0.010	0.0205	0.00244	<0.00010	0.00422	<0.00010	0.00292	<0.00010
Titanium (Ti)-Dissolved	mg/L	<0.010	<0.010		0.00126	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Uranium (U)-Dissolved	mg/L	0.000146	0.00155		<0.0010	0.00111	0.000715	0.000053	0.000102	0.000101	0.000125	0.000118
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
Zinc (Zn)-Dissolved	mg/L	<0.0010	<0.0010			0.0011	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0010
Aggregate Organics					6.18							
Oil and Grease	mg/L	-	<1.0		2.70	<1.0	<1.0	-	-	-	-	-
Organic Parameters												
Total Inorganic Carbon	mg/L	-	7.18			6.59	6.37	4.84	0.89	0.89	0.74	0.70
Total Organic Carbon	mg/L	-	3.35			2.85	2.70	2.74	3.54	3.55	3.04	3.22
Taiga Labs												
Taiga File No.		270599	270532		270551	270570	270599					
Date Received		27 aug 07	8 aug 07		15 aug 07	20 aug 07	27 aug 07					
Date		10 sep 07	15 aug 07		22 aug 07	4 sep 07	10 sep 07					
Matrix			Water		Water	Water	Water					
Biochemical Oxygen Demand	mg/L	<2	<2		<2	<2	<2					
Fecal Coleform	CFU/100 mL	<1	<1		<1	<1	<1					

TABLE 2 - AUGUST 2007

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To												
ALS File No.	L546749	L546749	L546749	L546749	L543213	L546749	L546749	L546749	L546749	L546749	L543213	L543213
Date Received	25-Aug-07	25-Aug-07	25-Aug-07	27-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	26 aug 07	16-Aug-07	16-Aug-07
Date	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	11-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ8	JER-WQ9	JER-WQ10	JER-WQ11	JER-WQ12	JER-WQ12	JER-WQ12-F1	JER-WQ13	JER-WQ14	JER-WQ15	JER-WQ16	JER-WQ18
Date Sampled		25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	11-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	11-AUG-07	11-AUG-07
Time Sampled		15:15	16:00	12:00	11:15	00:00	14:15	14:15	14:00	14:45	09:45	00:00	00:00
ALS Sample ID		L546749-10	L546749-11	L546749-2	L546749-1	L543213-6	L546749-7	L546749-8	L546749-6	L546749-9	L546749-16	L543213-5	L543213-4
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water

Physical Tests													
Hardness (as CaCO3)	mg/L	5.43	5.12	4.67	5.28	43.9	40.2	39.7	28.2	11.7	16.1	7.38	9.49
Conductivity	uS/cm	14.4	14.4	12.9	14.7	115	105	105	78.3	26.8	36.5	18.4	23.3
pH		6.85	6.86	6.75	6.74	7.56	7.50	7.51	7.45	7.25	6.96	7.14	7.30
Total Dissolved Solids	mg/L	18.0	23.0	17.0	19.0	74.0	74.0	73.0	59.0	31.0	28.0	15.0	11.0
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	0.43	0.48	0.40	0.39	0.42	0.33	0.40	0.60	0.43	0.52	0.57	1.22

Anions and Nutrients													
Ammonia as N	mg N/L	0.0060	0.0097	0.0062	0.0059	<0.0050	<0.0050	<0.0050	0.0112	0.0126	<0.0050	0.0084	0.0090
Acidity (as CaCO3)	mg/L	1.7	1.9	1.9	<1.0	1.1	3.2	3.1	2.7	2.2	4.3	<1.0	<1.0
Alkalinity, Bicarbonate (as CaCO3)	mg/L	4.6	4.4	3.9	4.9	28.1	26.3	26.2	15.7	10.2	15.2	6.3	8.9
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	<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	<1.0
Alkalinity, Total (as CaCO3)	mg/L	4.6	4.4	3.9	4.9	28.1	26.3	26.2	15.7	10.2	15.2	6.3	8.9
Chloride (Cl)	mg/L	<0.50	<0.50	<0.50	<0.50	5.97	5.58	5.59	5.07	0.73	0.63	<0.50	0.76
Sulfate (SO4)	mg/L	1.00	1.03	0.99	0.82	7.83	6.77	6.79	4.73	0.52	0.55	0.71	0.67
Nitrate (as N)	mg N/L	<0.0050	0.0109	<0.0050	0.0168	2.71	2.32	2.33	1.99	0.0051	0.118	0.0708	<0.0050
Nitrite (as N)	mg N/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0051	<0.0010	<0.0010	<0.0010	0.0015
Total Kjeldahl Nitrogen	mg N/L	-	-	-	-	<0.0010	-	-	-	-	-	<0.0010	<0.0010
Ortho Phosphate as P	mg P/L	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	0.0026
Total Dissolved Phosphate As P	mg P/L	<0.0020	<0.0020	<0.0020	<0.0020	0.0032	<0.0020	<0.0020	<0.0020	0.0021	<0.0020	0.0052	0.0066
Total Phosphate as P	mg P/L	0.0039	0.0026	0.0036	0.0031		0.0023	0.0022	0.0043	0.0047	0.0030		

Total Metals						0.0154						0.0206	0.0336
Aluminum (Al)-Total	mg/L	0.0137	0.0122	0.0167	0.0127	<0.00010	0.0199	0.0181	0.0135	0.0219	0.0344	<0.00010	<0.00010
Antimony (Sb)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00014	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	0.00016	0.00020
Arsenic (As)-Total	mg/L	0.00018	0.00016	0.00021	0.00014	0.0149	0.00019	0.00018	0.00019	0.00023	0.00016	0.00180	0.00150
Barium (Ba)-Total	mg/L	0.00160	0.00149	0.00159	0.00127	<0.00050	0.0135	0.0134	0.00487	0.00196	0.00502	<0.00050	<0.00050
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	<0.010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.010	<0.010
Boron (B)-Total	mg/L	<0.010	<0.010	<0.010	<0.010	<0.000050	<0.010	<0.010	<0.010	<0.010	<0.010	<0.000050	<0.000050
Cadmium (Cd)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	10.3	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	1.73	2.20
Calcium (Ca)-Total	mg/L	1.17	1.14	0.996	1.24	<0.00050	9.83	9.83	5.98	2.76	3.90	<0.00050	<0.00050
Chromium (Cr)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	<0.00010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00010	<0.00010
Cobalt (Co)-Total	mg/L	<0.00010	<0.00010	<0.00010	<0.00010	0.00180	<0.00010	<0.00010	<0.00010	<0.00010	0.00020	0.00135	0.00101
Copper (Cu)-Total	mg/L	0.00089	0.00081	0.00079	0.00092	<0.030	0.00188	0.00180	0.00156	0.00138	0.00092	0.063	0.158

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To												
ALS File No.	L546749	L546749	L546749	L546749	L543213	L546749	L546749	L546749	L546749	L546749	L543213	L543213
Date Received	25-Aug-07	25-Aug-07	25-Aug-07	27-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	26 aug 07	16-Aug-07	16-Aug-07
Date	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	11-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ8	JER-WQ9	JER-WQ10	JER-WQ11	JER-WQ12	JER-WQ12	JER-WQ12-F1	JER-WQ13	JER-WQ14	JER-WQ15	JER-WQ16	JER-WQ18
Date Sampled		25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	11-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	11-AUG-07	11-AUG-07
Time Sampled		15:15	16:00	12:00	11:15	00:00	14:15	14:15	14:00	14:45	09:45	00:00	00:00
ALS Sample ID		L546749-10	L546749-11	L546749-2	L546749-1	L543213-6	L546749-7	L546749-8	L546749-6	L546749-9	L546749-16	L543213-5	L543213-4
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
Iron (Fe)-Total	mg/L	<0.030	<0.030	<0.030	<0.030	<0.000050	<0.030	<0.030	0.051	0.230	0.172	0.000056	0.000050
Lead (Pb)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.0050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.0050	<0.0050
Lithium (Li)-Total	mg/L	<0.0050	<0.0050	<0.0050	<0.0050	4.39	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.744	0.971
Magnesium (Mg)-Total	mg/L	0.598	0.587	0.527	0.566	0.00558	3.87	3.81	3.22	1.13	1.47	0.00501	0.00494
Manganese (Mn)-Total	mg/L	0.00249	0.00253	0.00212	0.00149	<0.000050	0.00220	0.00248	0.00350	0.00304	0.0122	<0.000050	<0.000050
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.000358	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	0.00085	0.000365	0.000357	0.000125	<0.000050	<0.000050	0.00055	0.00062
Nickel (Ni)-Total	mg/L	<0.00050	<0.00050	<0.00050	<0.00050	1.01	0.00089	0.00094	0.00086	<0.00050	0.00058	<0.50	<0.50
Potassium (K)-Total	mg/L	<0.50	<0.50	<0.50	<0.50	<0.0010	1.06	1.06	0.74	<0.50	<0.50	<0.0010	<0.0010
Selenium (Se)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	1.36	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.230	0.239
Silicon (Si)-Total	mg/L	0.119	0.134	0.187	0.277	<0.000010	1.38	1.37	0.648	0.235	1.85	<0.000010	<0.000010
Silver (Ag)-Total	mg/L	<0.000010	<0.000010	<0.000010	<0.000010	3.39	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.50	0.71
Sodium (Na)-Total	mg/L	0.52	0.53	<0.50	<0.50	0.0425	3.27	3.19	3.00	0.72	0.81	0.00505	0.00521
Strontium (Sr)-Total	mg/L	0.00498	0.00481	0.00464	0.00486	<0.00010	0.0363	0.0362	0.0190	0.00648	0.00924	<0.00010	<0.00010
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	0.00135	<0.00010	0.00132	0.00497	<0.010	<0.00010	<0.00010	0.00156	0.00476	<0.00010	<0.010	<0.010
Titanium (Ti)-Total	mg/L	<0.010	<0.010	<0.010	<0.010	0.000547	<0.010	<0.010	<0.010	<0.010	<0.010	0.000088	0.000092
Uranium (U)-Total	mg/L	0.000114	0.000106	0.000135	0.000093	<0.0010	0.000792	0.000785	0.000951	0.000219	0.000149	<0.0010	<0.0010
Vanadium (V)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010	0.0026	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0018	0.0013
Zinc (Zn)-Total	mg/L	<0.0010	<0.0010	<0.0010	<0.0010		0.0029	0.0025	<0.0010	<0.0010	<0.0010		
Dissolved Metals						<1.0						<1.0	<1.0
Aluminum (Al)-Dissolved	mg/L	<0.0080	<0.0060	<0.010	<0.0050		<0.010	<0.010	<0.0090	0.0100	0.0234		
Antimony (Sb)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	<0.00010		<0.00010	<0.00010	<0.00010	<0.00010	<0.00010		
Arsenic (As)-Dissolved	mg/L	0.00017	0.00015	0.00020	0.00013	5.19	0.00019	0.00019	0.00039	0.00021	0.00015	1.07	1.56
Barium (Ba)-Dissolved	mg/L	0.00158	0.00143	0.00156	0.00124	3.62	0.0133	0.0131	0.00495	0.00189	0.00500	3.43	3.20
Beryllium (Be)-Dissolved	mg/L	<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		
Boron (B)-Dissolved	mg/L	<0.010	<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		
Calcium (Ca)-Dissolved	mg/L	1.18	1.10	0.996	1.21		9.83	9.66	6.00	2.78	3.99		
Chromium (Cr)-Dissolved	mg/L	<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	<0.00010	<0.00010	<0.00010		<0.00010	<0.00010	<0.00010	<0.00010	0.00013		
Copper (Cu)-Dissolved	mg/L	<0.00080	<0.00070	<0.00070	<0.00070		0.00167	0.00167	0.00168	0.00130	<0.00090		
Iron (Fe)-Dissolved	mg/L	<0.030	<0.030	<0.030	<0.030		<0.030	<0.030	<0.030	0.093	0.061		
Lead (Pb)-Dissolved	mg/L	<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		
Magnesium (Mg)-Dissolved	mg/L	0.602	0.573	0.529	0.550		3.81	3.78	3.21	1.16	1.49		
Manganese (Mn)-Dissolved	mg/L	<0.000050	0.000064	0.000078	0.000197		0.000435	0.000464	0.000627	0.000154	0.0108		

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To												
ALS File No.	L546749	L546749	L546749	L546749	L543213	L546749	L546749	L546749	L546749	L546749	L543213	L543213
Date Received	25-Aug-07	25-Aug-07	25-Aug-07	27-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	25-Aug-07	26 aug 07	16-Aug-07	16-Aug-07
Date	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	27-Sep-07	11-Sep-07	11-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ8	JER-WQ9	JER-WQ10	JER-WQ11	JER-WQ12	JER-WQ12	JER-WQ12-F1	JER-WQ13	JER-WQ14	JER-WQ15	JER-WQ16	JER-WQ18
Date Sampled		25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	11-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	25-AUG-07	26-AUG-07	11-AUG-07	11-AUG-07
Time Sampled		15:15	16:00	12:00	11:15	00:00	14:15	14:15	14:00	14:45	09:45	00:00	00:00
ALS Sample ID		L546749-10	L546749-11	L546749-2	L546749-1	L543213-6	L546749-7	L546749-8	L546749-6	L546749-9	L546749-16	L543213-5	L543213-4
Matrix	Units	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		
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	<0.000050	<0.000050	<0.000050		0.000355	0.000359	0.000106	<0.000050	<0.000050		
Nickel (Ni)-Dissolved	mg/L	<0.00050	<0.00050	<0.00050	<0.00050		0.00084	0.00084	0.00100	<0.00050	0.00059		
Potassium (K)-Dissolved	mg/L	<0.50	<0.50	<0.50	<0.50		1.05	1.04	0.75	<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		
Silicon (Si)-Dissolved	mg/L	0.106	0.131	0.175	0.283		1.35	1.34	0.646	0.231	1.85		
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000010	<0.000010	<0.000010		<0.000010	<0.000010	<0.000010	<0.000010	<0.000010		
Sodium (Na)-Dissolved	mg/L	0.52	0.52	<0.50	0.50		3.21	3.16	3.00	0.75	0.82		
Strontium (Sr)-Dissolved	mg/L	0.00500	0.00473	0.00476	0.00498		0.0362	0.0360	0.0192	0.00668	0.00955		
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00010	<0.00010	<0.00010		<0.00010	<0.00010	0.00020	<0.00010	<0.00010		
Tin (Sn)-Dissolved	mg/L	0.00289	<0.00010	0.00130	0.00552		<0.00010	<0.00010	0.00184	0.00368	<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		
Uranium (U)-Dissolved	mg/L	0.000093	0.000079	0.000118	0.000070		0.000676	0.000675	0.00100	0.000179	0.000128		
Vanadium (V)-Dissolved	mg/L	<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	0.0011		0.0024	0.0028	<0.0010	<0.0010	<0.0010		
Aggregate Organics													
Oil and Grease	mg/L	-	-	-	-		-	-	-	-	-		
Organic Parameters													
Total Inorganic Carbon	mg/L	0.76	0.70	0.55	0.87		5.13	5.14	3.14	2.06	3.08		
Total Organic Carbon	mg/L	3.68	3.42	3.36	3.22		3.95	4.26	5.25	6.99	4.27		

Taiga Labs

Taiga File No.

Date Received

Date

Matrix

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

TABLE 2 - AUGUST 2007

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To								
ALS File No.	L546749	L545480	L546749	L545480	L545480	L543213	L546749	L546749
Date Received	25-Aug-07	22-Aug-07	25-Aug-07	22-Aug-07	22-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07
Date	27-Sep-07	13-Sep-07	27-Sep-07	13-Sep-07	13-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ21	JER-SW1	JER-SW2	JER-SW3	JER-SW4	END OF RUNWAY	JER-TWB	JER-FWB
Date Sampled		25-AUG-07	20-AUG-07	25-AUG-07	19-AUG-07	20-AUG-07	11-AUG-07		
Time Sampled		16:15	08:15	17:45	15:00	07:45	00:00		
ALS Sample ID		L546749-13	L545480-1	L546749-14	L545480-2	L545480-3	L543213-1	L546749-20	L546749-21
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water

Physical Tests

Hardness (as CaCO3)	mg/L	6.12	37.3	466	50.1	85.7	5.23	<0.50	<0.50
Conductivity	uS/cm	15.5	892	1570	343	305	14.6	<2.0	2.5
pH		6.92	7.50	7.82	8.91	7.90	6.80	5.83	5.72
Total Dissolved Solids	mg/L	15.0	370	1200	214	223	11.0	<10	<10
Total Suspended Solids	mg/L	<3.0	53.0	16.7	48.8	7.3	<3.0	<3.0	<3.0
Turbidity	NTU	0.61	47.2	10.8	29.7	5.08	0.49	<0.10	<0.10

Anions and Nutrients

Ammonia as N	mg N/L	0.0211	57.6	20.8	2.73	0.366	0.0080	<0.0050	0.0173
Acidity (as CaCO3)	mg/L	1.9	31.7	8.2	<1.0	3.2	1.5	2.5	2.3
Alkalinity, Bicarbonate (as CaCO3)	mg/L	5.4	309	63.8	14.7	30.2	4.7	<1.0	1.5
Alkalinity, Carbonate (as CaCO3)	mg/L	<1.0	<1.0	<1.0	6.8	<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
Alkalinity, Total (as CaCO3)	mg/L	5.4	309	63.8	21.5	30.2	4.7	<1.0	1.5
Chloride (Cl)	mg/L	<0.50	36.9	97.4	14.6	14.6	<0.50	<0.50	<0.50
Sulfate (SO4)	mg/L	0.57	47.4	52.3	38.4	24.7	1.10	<0.50	<0.50
Nitrate (as N)	mg N/L	0.0119	<0.0050	121	18.6	17.3	<0.0050	<0.0050	<0.0050
Nitrite (as N)	mg N/L	<0.0010	<0.0010	4.56	0.184	0.206	<0.0010	<0.0010	<0.0010
Total Kjeldahl Nitrogen	mg N/L	-	-	-	-	-	<0.0010	-	-
Ortho Phosphate as P	mg P/L	<0.0010	7.38	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010
Total Dissolved Phosphate As P	mg P/L	0.0062	7.9	<0.0020	<0.0020	0.0026	0.0051	<0.0020	<0.0020
Total Phosphate as P	mg P/L	0.0158	9.6	0.0026	0.0272	0.0071		<0.0020	<0.0020

Total Metals

							0.0163		
Aluminum (Al)-Total	mg/L	0.0141	0.378	0.216	0.136	0.121	<0.00010	<0.0010	<0.0010
Antimony (Sb)-Total	mg/L	<0.00010	0.00200	0.00114	0.00078	0.00047	0.00019	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00015	0.00089	0.00085	0.00040	0.00053	0.00169	<0.00010	<0.00010
Barium (Ba)-Total	mg/L	0.00127	0.0188	0.283	0.133	0.0868	<0.00050	<0.000050	<0.000050
Beryllium (Be)-Total	mg/L	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
Bismuth (Bi)-Total	mg/L	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050	<0.010	<0.00050	<0.00050
Boron (B)-Total	mg/L	<0.010	0.028	0.190	0.067	0.038	<0.000050	<0.010	<0.010
Cadmium (Cd)-Total	mg/L	<0.000050	0.00073	0.000073	<0.000050	<0.000050	1.12	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	1.33	10.9	117	15.5	21.8	<0.00050	<0.050	<0.050
Chromium (Cr)-Total	mg/L	<0.00050	0.0034	0.00270	0.00264	0.00133	<0.00010	<0.00050	<0.00050
Cobalt (Co)-Total	mg/L	<0.00010	0.00054	0.00327	0.00060	0.00055	0.00097	<0.00010	<0.00010
Copper (Cu)-Total	mg/L	0.00138	0.0850	0.0216	0.00276	0.00209	0.046	<0.00010	<0.00010

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To								
ALS File No.	L546749	L545480	L546749	L545480	L545480	L543213	L546749	L546749
Date Received	25-Aug-07	22-Aug-07	25-Aug-07	22-Aug-07	22-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07
Date	27-Sep-07	13-Sep-07	27-Sep-07	13-Sep-07	13-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ21	JER-SW1	JER-SW2	JER-SW3	JER-SW4	END OF RUNWAY	JER-TWB	JER-FWB
Date Sampled		25-AUG-07	20-AUG-07	25-AUG-07	19-AUG-07	20-AUG-07	11-AUG-07		
Time Sampled		16:15	08:15	17:45	15:00	07:45	00:00		
ALS Sample ID		L546749-13	L545480-1	L546749-14	L545480-2	L545480-3	L543213-1	L546749-20	L546749-21
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Iron (Fe)-Total	mg/L	0.123	0.690	0.577	0.388	0.219	<0.000050	<0.030	<0.030
Lead (Pb)-Total	mg/L	<0.000050	0.00274	0.000658	0.00481	0.000109	<0.0050	<0.000050	<0.000050
Lithium (Li)-Total	mg/L	<0.0050	0.031	0.0203	<0.0050	<0.0050	0.590	<0.0050	<0.0050
Magnesium (Mg)-Total	mg/L	0.674	3.41	47.7	3.53	8.58	0.00253	<0.050	<0.050
Manganese (Mn)-Total	mg/L	0.00359	0.0447	0.255	0.00562	0.0148	<0.000050	<0.000050	<0.000050
Mercury (Hg)-Total	mg/L	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	mg/L	<0.000050	0.00259	0.0672	0.0123	0.00864	<0.00050	<0.000050	<0.000050
Nickel (Ni)-Total	mg/L	<0.00050	0.0085	0.0768	0.0113	0.00926	<0.50	<0.00050	<0.00050
Potassium (K)-Total	mg/L	<0.50	19.7	22.5	24.1	12.0	<0.0010	<0.50	<0.50
Selenium (Se)-Total	mg/L	<0.0010	<0.0020	<0.0050	<0.0010	<0.0010	0.141	<0.0010	<0.0010
Silicon (Si)-Total	mg/L	0.119	2.76	5.60	5.62	2.78	<0.000010	<0.050	<0.050
Silver (Ag)-Total	mg/L	<0.000010	0.000057	0.000082	<0.000010	<0.000010	0.52	<0.000010	<0.000010
Sodium (Na)-Total	mg/L	<0.50	80.6	57.1	24.9	18.0	0.00504	<0.50	<0.50
Strontium (Sr)-Total	mg/L	0.00413	0.0270	2.61	0.672	0.555	<0.00010	<0.00010	<0.00010
Thallium (Tl)-Total	mg/L	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.00010	0.00203	<0.00010	<0.00010	0.00116	<0.010	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	<0.010	<0.010	0.012	<0.010	<0.010	0.000130	<0.010	<0.010
Uranium (U)-Total	mg/L	0.000085	0.000221	0.120	0.000055	0.000967	<0.0010	<0.000010	<0.000010
Vanadium (V)-Total	mg/L	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	<0.0010	0.0634	<0.0050	0.0042	0.0027		<0.0010	<0.0010
Dissolved Metals							<1.0		
Aluminum (Al)-Dissolved	mg/L	<0.0040	0.0538	<0.0030	0.0017	0.0022		-	-
Antimony (Sb)-Dissolved	mg/L	<0.00010	0.00101	0.00113	0.00094	0.00051		-	-
Arsenic (As)-Dissolved	mg/L	0.00015	0.00075	0.00073	0.00041	0.00049	0.63	-	-
Barium (Ba)-Dissolved	mg/L	0.00120	0.0148	0.280	0.131	0.0832	3.45	-	-
Beryllium (Be)-Dissolved	mg/L	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		-	-
Bismuth (Bi)-Dissolved	mg/L	<0.00050	<0.0010	<0.00050	<0.00050	<0.00050		-	-
Boron (B)-Dissolved	mg/L	<0.010	0.026	0.179	0.073	0.038		-	-
Cadmium (Cd)-Dissolved	mg/L	<0.000050	0.000035	<0.000050	<0.000050	<0.000050		-	-
Calcium (Ca)-Dissolved	mg/L	1.34	10.0	111	16.1	21.3		-	-
Chromium (Cr)-Dissolved	mg/L	<0.00050	0.0024	<0.00050	<0.00050	<0.00050		-	-
Cobalt (Co)-Dissolved	mg/L	<0.00010	0.00028	0.00264	<0.00010	0.00011		-	-
Copper (Cu)-Dissolved	mg/L	0.00111	0.0294	0.0141	<0.00090	0.00112		-	-
Iron (Fe)-Dissolved	mg/L	<0.030	0.219	0.097	<0.030	<0.030		-	-
Lead (Pb)-Dissolved	mg/L	<0.000050	0.00131	0.000159	<0.000050	<0.000050		-	-
Lithium (Li)-Dissolved	mg/L	<0.0050	0.030	0.0183	<0.0050	<0.0050		-	-
Magnesium (Mg)-Dissolved	mg/L	0.675	2.98	45.8	2.41	7.87		-	-
Manganese (Mn)-Dissolved	mg/L	0.000114	0.0386	0.145	<0.000050	0.000394		-	-

Project	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO	JERICHO
Report To								
ALS File No.	L546749	L545480	L546749	L545480	L545480	L543213	L546749	L546749
Date Received	25-Aug-07	22-Aug-07	25-Aug-07	22-Aug-07	22-Aug-07	16-Aug-07	25-Aug-07	25-Aug-07
Date	27-Sep-07	13-Sep-07	27-Sep-07	13-Sep-07	13-Sep-07	11-Sep-07	27-Sep-07	27-Sep-07

RESULTS OF ANALYSIS

Sample ID		JER-WQ21	JER-SW1	JER-SW2	JER-SW3	JER-SW4	END OF RUNWAY	JER-TWB	JER-FWB
Date Sampled		25-AUG-07	20-AUG-07	25-AUG-07	19-AUG-07	20-AUG-07	11-AUG-07		
Time Sampled		16:15	08:15	17:45	15:00	07:45	00:00		
ALS Sample ID		L546749-13	L545480-1	L546749-14	L545480-2	L545480-3	L543213-1	L546749-20	L546749-21
Matrix	Units	Water	Water	Water	Water	Water	Water	Water	Water
Mercury (Hg)-Dissolved	mg/L	<0.000050	<0.0010	<0.000050	<0.000050	<0.000050	-	-	-
Molybdenum (Mo)-Dissolved	mg/L	<0.000050	0.00056	0.0645	0.0129	0.00865	-	-	-
Nickel (Ni)-Dissolved	mg/L	<0.00050	0.0055	0.0664	0.00097	0.00397	-	-	-
Potassium (K)-Dissolved	mg/L	<0.50	18.7	21.6	25.6	11.7	-	-	-
Selenium (Se)-Dissolved	mg/L	<0.0010	0.0038	<0.0050	<0.0010	<0.0010	-	-	-
Silicon (Si)-Dissolved	mg/L	0.104	2.56	4.42	4.84	2.36	-	-	-
Silver (Ag)-Dissolved	mg/L	<0.000010	<0.000020	0.000061	<0.000010	<0.000010	-	-	-
Sodium (Na)-Dissolved	mg/L	<0.50	76.5	56.1	26.3	18.3	-	-	-
Strontium (Sr)-Dissolved	mg/L	0.00411	0.0249	2.53	0.700	0.541	-	-	-
Thallium (Tl)-Dissolved	mg/L	<0.00010	<0.00020	<0.00010	<0.00010	<0.00010	-	-	-
Tin (Sn)-Dissolved	mg/L	<0.00010	0.00215	<0.00010	<0.00010	0.00187	-	-	-
Titanium (Ti)-Dissolved	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	-	-	-
Uranium (U)-Dissolved	mg/L	0.000058	0.000100	0.115	0.000013	0.000799	-	-	-
Vanadium (V)-Dissolved	mg/L	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	-	-	-
Zinc (Zn)-Dissolved	mg/L	<0.0010	0.0276	<0.0010	<0.0010	<0.0010	-	-	-
Aggregate Organics									
Oil and Grease	mg/L	-	7.4	-	-	-		<1.0	<1.0
Organic Parameters									
Total Inorganic Carbon	mg/L	0.95	64.4	12.3	2.95	4.60		<0.50	<0.50
Total Organic Carbon	mg/L	4.32	85.4	8.34	1.94	2.43		<0.50	<0.50

Taiga Labs

Taiga File No.

Date Received

Date

Matrix

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

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)
01-Aug	22.3		15.6	Monthly		0.0	Monthly	3424.5	Monthly	654.7	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly
02-Aug	24.6		17.2			0.0		3538.4		558.9							
03-Aug	23.9		16.7			0.0		3471.7		601.3							
04-Aug	30.0		21.0			0.0		3497.5		613.2							
05-Aug	20.5		14.4			0.0		3250.6		621.7							
06-Aug	26.6		18.6			0.0		3271.4		848.4							
07-Aug	35.9		25.1			0.0		2718.4		955.1							
08-Aug	23.7		16.6			0.0		2880.8		651.7							
09-Aug	23.2		16.2			0.0		3889.3		567.5							
10-Aug	34.1		23.9			0.0		2954.2		562.1							
11-Aug	22.7		15.9			0.0		3850.0		630.3							
12-Aug	23.4		16.4			0.0		2732.4		583.8							
13-Aug	35.7		25.0			0.0		3588.8		619.8							
14-Aug	31.6		22.1			0.0		2434.8		879.3							
15-Aug	22.6		15.8			0.0		3460.2		765.1							
16-Aug	25.8		18.1			0.0		3382.3		746.1							
17-Aug	26.3		18.4			0.0		3300.8		697.2							
18-Aug	20.4		14.3			101.1		2419.2		658.0							
19-Aug	37.5		26.3			1308.3		1600.6		627.7							
20-Aug	23.5		16.5			618.2		0.0		621.0							
21-Aug	26.7		18.7			0.0		0.0		612.3							
22-Aug	39.6		27.7			0.0		0.0		639.3							
23-Aug	21.8		15.3			0.0		29.8		793.7							
24-Aug	26.1		18.3			0.0		2113.7		415.3							
25-Aug	41.4		29.0			0.0		2213.5		5.0							
26-Aug	49.5		34.7			0.0		2352.0		0.7							
27-Aug	58.8		41.2			0.0		2674.9		366.8							
28-Aug	31.4		22.0			0.0		2370.1		782.0							
29-Aug	109.4		76.6			5953.4		2041.9		798.1							
30-Aug	24.2		16.9			0.0		2004.9		631.8							
31-Aug	33.0		23.1			454.0		1708.0		643.8							
Total	996.2	0.0	697.3	34	0.0	8435.0	0	77174.4	29120	19151.7	18549	39897	18549	43466	641807	1960	0

Result Summary

 Client: TAH102
 Reference: 07-1526-01-DAS

Client: Tahera Diamond Corporation; operation Jericho

Sample: JER-WQ2

Collection: collected on 2007/08/20 at 0730 by B. Ott

Receipt: received on 2007/08/23 at 1255 by M. Stevenson

Containers: received 1 x 20L pail at 17 °C, in good condition
 with no seals and no initials

Description: type: Effluent, collection method: Grab

Test: started on 2007/08/23 ; ended on 2007/08/25

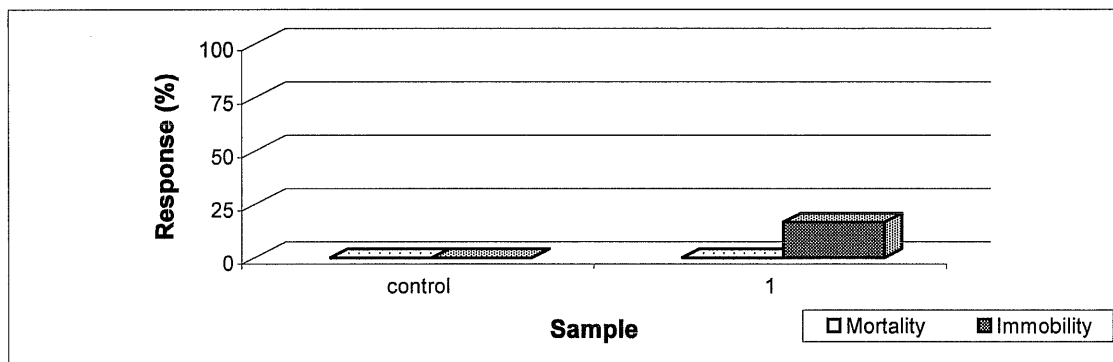
Contents

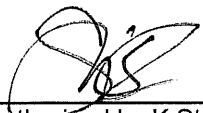
Result Summary.....	1
Test Conditions.....	2
Test Data.....	4
Comments/Statistics..	5
QA/QC.....	6

Result:

Sample	Client Code	Average Mortality (%)	Average Immobility (%)	Comment
control	lab control	0	0	
1	JER-WQ2	0	17	not toxic as tested

Notes: sd, sample standard deviation; cv, coefficient of variation; nd, not done; na, not applicable;



 For
 Authorized by K. Steele, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Test Conditions

Client: TAH102 Reference: 07-1526-01-DAS

Method: Biological Test method: Reference Method for Determining Acute Lethality of Effluents to *Daphnia magna*, 2000. Environ. Can., EPS 1/RM/14. Second Edition.

Test type: *Daphnia* 48-h Static Acute Test (HQ 4.4.3.1)

Species: *Daphnia magna*

Age: < 24 hours old

Organism source: in-house culture

Stock mortality: 0% (must be $\leq 25\%$)

Culture brood data: 8 days to first brood (must be ≤ 12 days)
25 neonates per average brood (must be ≥ 15 young)

Sample initial chemistry: pH: 7.6; EC: 330 ($\mu\text{S}/\text{cm}$); DO: 7.3 (mg/L); temperature: 22 °C
hardness (mg CaCO_3/L): 78; colour: colourless; odour: odourless

Sample holding time: 3 days (must be ≤ 5 days)

Sample storage: 4 $\pm$ 2°C in darkness

Test vessel: 385 mL plastic vessels

Test volume: 150 mL

Sample pre-treatment: The sample was not filtered or pH adjusted prior to or during testing
The sample was pre-aerated for 0 minutes (rate of 37.5 $\pm$ 12.5 mL/min.L⁻¹)
The hardness of the sample was not adjusted (mg CaCO_3/L) prior to or during testing

Loading density: One daphnid/15 mL (must ≤ 1 organism/15 mL)

Control water: Dechlorinated City of Calgary water acclimated to test conditions
The hardness of the control/dilution water was 181 mg CaCO_3/L

Test concentrations: Undiluted sample plus a negative control

Test replicates: Three replicates per treatment, 10 daphnids per replicate

Feeding: None

Aeration: None

Measurements: pH, conductivity, dissolved oxygen and temperature at test initiation and termination

Lighting: Overhead full spectrum fluorescent lights; 400-800 lux at surface

Photoperiod: 16h light:8h dark

Test temperature: 20 $\pm$ 2°C

Note: Outlined sections are protocol deviations explained on the comment page

Test Conditions

Client: TAH102 Reference: 07-1526-01-DAS

Endpoint: Mortality, percent (%) mortality at 48-h
Immobility, percent (%) immobility at 48-h

Test validity: The control had 100% survival (must $\geq 90\%$)
Control had 0 percent (%) abnormal behaviour (must $< 10\%$, e.g. immobility)

Reference toxicant: 48-h test with NaCl initiated August 21, 2007; current results
(48-h LC50 and 95% confidence limits) = 0.75 (0.71-0.79) log (g/L NaCl)

Note: Outlined sections are protocol deviations explained on the comment page

Test Data

 Client: TAH102
 Reference: 07-1526-01-DAS

Test Log:

Date	Day	Time	Technician	Comment/Observation
2007/08/23	0	1215	T. McDonald/ S. Krishnappa	test <i>Daphnia</i> appear normal
2007/08/24	1	0930	T. McDonald	test <i>Daphnia</i> appear normal
2007/08/25	2	1015	T. McDonald	test <i>Daphnia</i> appear normal

Chemistry:

Sample	control			1		
replicate	a	b	c	a	b	c

Day	pH (units)					
0	7.9	7.9	7.9	7.8	7.8	7.8
2	7.9	7.9	8.0	8.0	7.9	7.9

	Conductivity ($\mu\text{S}/\text{cm}$)					
0	362	362	362	295	295	295
2	408	411	409	343	337	335

	Dissolved Oxygen (mg/L)					
0	7.9	7.9	7.9	8.1	8.1	8.1
2	8.4	8.6	8.6	8.5	8.7	8.7

	Temperature ($^{\circ}\text{C}$)					
0	20	20	20	20	20	20
2	21	21	21	22	22	22

Biology:

Sample	control			1		
replicate	a	b	c	a	b	c

Day	Number Alive and Behavior (behavior is in brackets)					
1	10	10	10	10	10 (1F)	10 (1F)
2	10	10	10	10 (1I)	10 (2I)	10 (2I)

Notes: F, floating; I, immobile; B, stuck on bubble; D, caught in debris

	Mortality (%)					
2	0	0	0	0	0	0

	Immobility (%)					
2	0	0	0	10	20	20

Comments/Statistics

Client: TAH102 Reference: 07-1526-01-DAS

Test Result Comments:

None

Data Analysis:

None

Protocol Deviations:

None

Quality Assurance Information

Test Method: *Daphnia* Static Acute Test (LC50, five or more treatments plus a control)
 HydroQual Test Method Manual, section: 4.4.3.1

Reference: Biological Test Method: Reference Method for Determining the Acute Lethality of Effluents to *Daphnia magna*, 1990. Environment Canada, EPS 1/RM/14. including May 1996 and December 2000 amendments.

Test Organism:

test species: *Daphnia magna*
 culture source: in-house
 original culture source: Environment Canada
 days to first brood: 8
 mean brood size: 25
 ephippia in stock culture: no
 age of test organisms: <24 hours old
 culture mortality (%): 4%

Test Design:

vol. of test vessel (mL): 500
 toxicant: sodium chloride
 test volume (mL): 150
 replicates per treatment: 1
 neonates per replicate: 10
 volume per neonate (mL): 15
 samples preaerated: no
 hardness adjustment: no
 temperature (°C): 20
 photoperiod: 16h light:8h dark
 light level (water surface): 400-800 lux
 control/dilution water: dechlorinated tap water

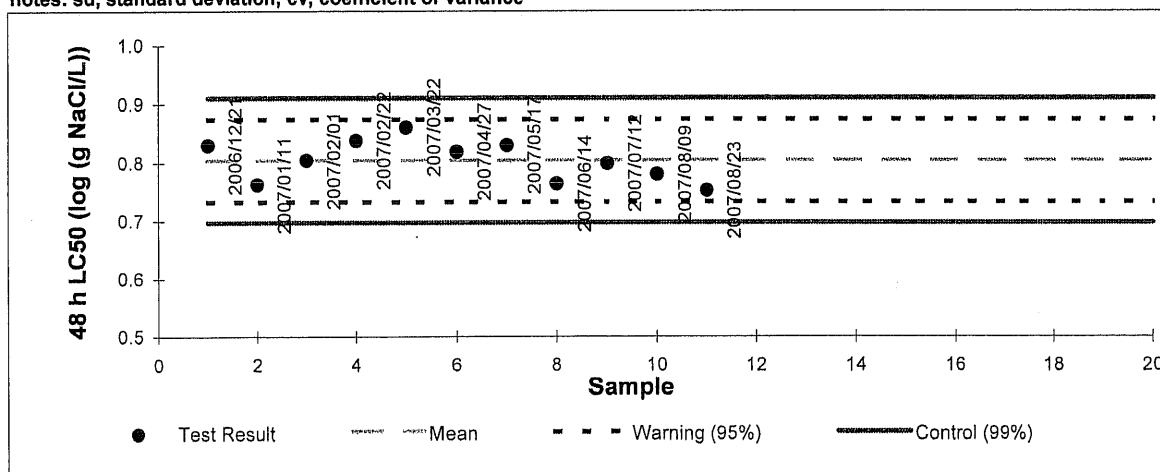
Current Test

toxicant Sodium Chloride (NaCl)
 started on 2007/08/21 ended on 2007/08/23
 Result (LC50 @ 48h) 0.75 log (g NaCl/L); geometric mean
 Confidence Limits (95%) lower 0.71 upper 0.79

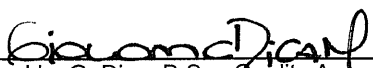
Historical Values

	mean	sd	upper	lower	cv(%):
	0.80	0.04			4
warning limits (± 2 sd)	0.73	0.88	(95% confidence limits)		
control limits (± 3 sd)	0.70	0.91	(99% confidence limits)		

notes: sd, standard deviation; cv, coefficient of variance



Quality Assurance Unit:


 Authorized by G. Diaz, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Our liability is limited to the cost of the test requested on the sample as received. No liability in whole or in part is assumed for the collection, handling or transport of the sample, application or interpretation of the test data or results in part or in whole.

Result Summary

 Client: TAH102
 Reference: 07-1526-01-TRS

Client: Tahera Diamond Corporation; operation Jericho

Sample: JER-WQ2

Collection: collected on 2007/08/20 at 0730 by B. Ott

Receipt: received on 2007/08/23 at 1255 by M. Stevenson

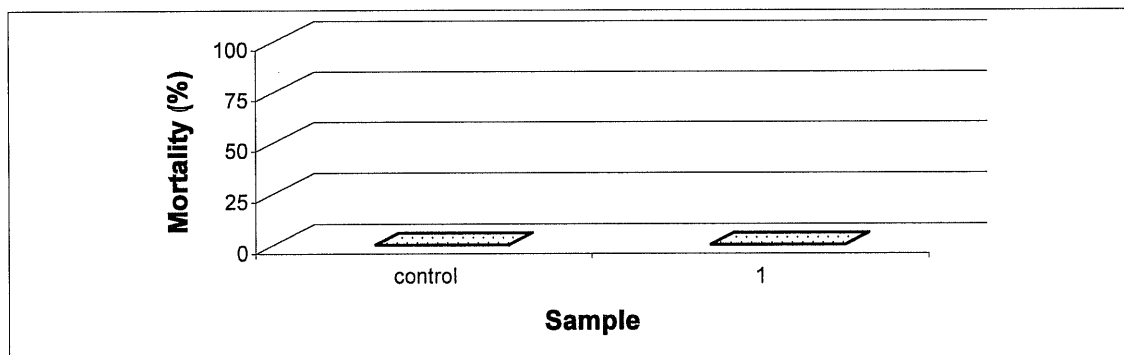
Containers: received 1 x 20L pail at 17 °C, in good condition with no seals and no initials

Description: type: Effluent, collection method: Grab

Test: started on 2007/08/24 ; ended on 2007/08/28

Result:

Sample	Client Code	Mortality (%)	Comment
control	lab control	0	
1	JER-WQ2	0	none




 For _____
 Authorized by K. Steele, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Test Conditions

Client: TAH102 Reference: 07-1526-01-TRS

Method: Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout, 2000. Environment Canada, EPS 1/RM/13. Second Edition.

Test type: Trout 96-h Static Acute Test (HQ 4.4.4.1)

Species: *Oncorhynchus mykiss*

Organism source: Sun Valley Trout Farms (Batch 20070713TR)

Acclimation: 41 days (must be ≥ 2 weeks)

Stock mortality: 0.6% (seven days preceeding testing)

Sample initial chemistry: pH: 7.6; EC: 330 ($\mu\text{S}/\text{cm}$); DO: 7.3 (mg/L); temperature: 22 °C
hardness (mg CaCO_3/L): 78; colour: colourless; odour: odourless

Sample holding time: 4 days (must be ≤ 5 days)

Sample storage: $4 \pm 2^\circ\text{C}$ in darkness

Test vessel: The test was conducted in 22 L plastic pails with polyethylene liners

Test volume: 16 Litres (depth of solution in each test vessel $\geq 15\text{cm}$)

Sample pre-treatment: All test solutions and controls were pre-aerated for 30 minutes
Dissolved oxygen in full strength sample was 8.9 mg/L after pre-aeration
The sample was not filtered or pH adjusted prior to or during testing

Loading density: 0.225 g/Litre (must be ≤ 0.5 g/Litre)"

Control water: Dechlorinated City of Calgary water acclimated to test conditions

Test concentrations: Undiluted sample plus a negative control

Test replicates: One replicate per treatment; 10 fish per replicate

Feeding: Fish are not fed 24 hours before test initiation and no feeding during test

Measurements: pH, conductivity, dissolved oxygen and temperature measured daily

Aeration: All treatments aerated at 6.5 ± 1 mL/min/L by oil-free compressed air
passed through disposable glass pipettes

Lighting: Overhead full spectrum fluorescent lights; 100-500 lux at surface

Photoperiod: 16h light:8h dark

Test temperature: $15 \pm 1^\circ\text{C}$

Endpoint: Mortality, % mortality at 96-h

Test validity: The control had 100% survival (must $\geq 90\%$)

Reference toxicant: 96-h test with Phenol ($\text{C}_6\text{H}_5\text{OH}$) initiated July 27, 2007; current results
(96-h LC50 and 95% confidence limits) = 1.08 (1.01-1.14) log (mg/L Phenol)

Note: Outlined sections are protocol deviations explained on the comment page; v/v, volume per volume

Test Data

Client: TAH102
Reference: 07-1526-01-TRS

Test Log:

Date	Day	Time	Technician	Comment/Observation
2007/08/24	0	1025	J. Lantz/ E. Blais	test fish loaded at 1025 h
2007/08/25	1	1020	J. Lantz/T. McDonald	all test fish appear normal
2007/08/26	2	1210	L. Henson/C.A. Martens	all test fish appear normal
2007/08/27	3	1015	L. Henson/J. Lantz	all test fish appear normal
2007/08/28	4	0935	S. Krishnappa/T. McDonald	all test fish appear normal

Chemistry:

Sample	control	1						
--------	---------	---	--	--	--	--	--	--

Day

pH (units)

0	8.0	8.1						
1	8.1	8.1						
2	8.1	8.1						
3	8.0	8.0						
4	7.9	7.9						

Conductivity (µS/cm)

0	379	310						
1	375	313						
2	379	300						
3	371	304						
4	336	227						

Dissolved Oxygen (mg/L)

0	8.8	8.9						
1	8.8	8.5						
2	9.4	9.4						
3	9.0	8.9						
4	8.9	8.7						

Temperature (°C)

0	16	16						
1	16	16						
2	16	15						
3	15	15						
4	14	15						

Test Data

Client: TAH102
Reference: 07-1526-01-TRS

Number Alive:

Sample	control	1						
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Day

0	10	10						
1	10	10						
2	10	10						
3	10	10						
4	10	10						

Mortality (%)

4	0	0						
---	---	---	--	--	--	--	--	--

Biology Summary Tables:

Control Fish	Length (cm)	Wet Weight(g)
1	4.0	0.6
2	4.2	0.9
3	4.0	0.7
4	4.3	0.8
5	3.9	0.6
6	3.8	0.5
7	4.4	0.7
8	4.7	1.1
9	4.4	0.8
10	4.4	0.9

Sample	Group Wet Weight (g)
control	7.6
1	7.6

average	4.2	0.8
sd	0.3	0.2
cv(%)	6.7	23.9

Notes: nd, not done; na, not applicable;
 sd, standard deviation; cv(%), coefficient
 of variation

Comments/Statistics

Client: TAH102 Reference: 07-1526-01-TRS

Test Result Comments:

None

Data Analysis:

None

Protocol Deviations:

None

Test Method: Trout 96h Static Acute Test. (LC50, five or more treatments plus a control)
 HydroQual Test Method Manual, section: 4.4.4.1

Reference: Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout, 1990. Environment Canada, EPS 1/RM/13. including May 1996 and December 2000 amendments.

Test Organism:

test species: *Oncorhynchus mykiss*
 culture source: Sun Valley
 temperature (°C): 15 ± 1
 dissolved oxygen: saturated
 stock mortality (last 7d): 0.1%
 batch number: 20070713TR

Test Design:

vol. of test vessel (L): 22
 test volume depth: >15 cm
 replicates per treatment: 1
 fingerlings per replicate: 10
 loading (g fish/L): <0.5
 temperature (°C): 15 ± 1
 photoperiod: 16h light: 8h dark
 light level (water surface): 100-500 lux
 control/dilution water: dechlorinated tap water

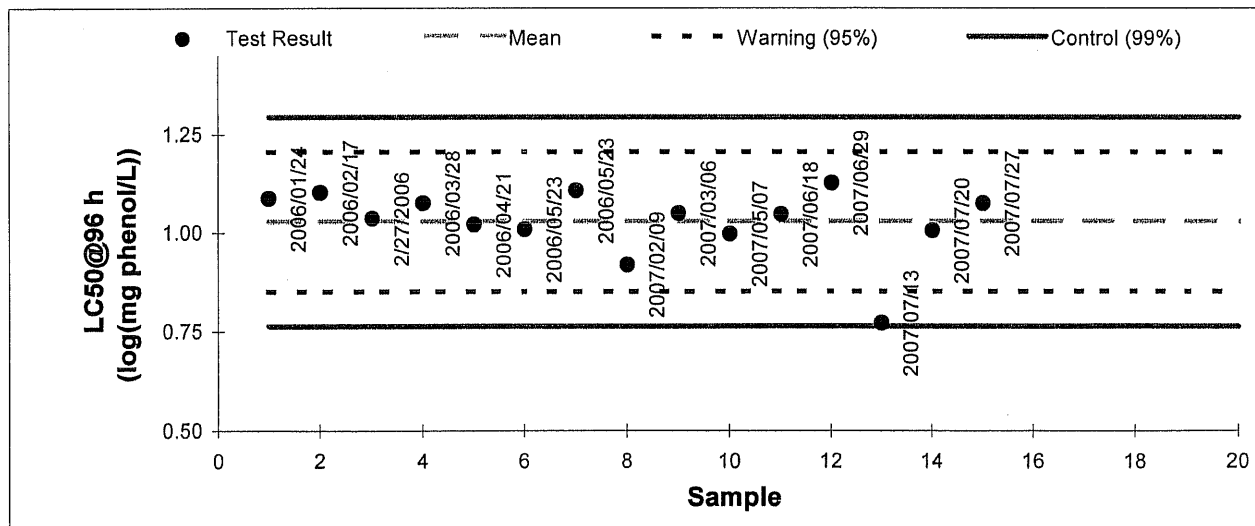
Current Test

toxicant phenol (C₆H₅OH)
 started on 2007/07/27 ended on 2007/07/31
 Result (LC50 @ 96h) 1.08 log (mg phenol/L); geometric mean
 Confidence Limits (95%) lower 1.01 upper 1.14

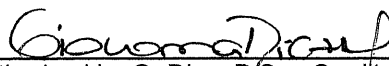
Historical Values

	mean	sd	cv(%)
	1.03	0.09	9
	lower	upper	
warning limits (±2 sd)	0.85	1.21	(95% confidence limits)
control limits (±3 sd)	0.76	1.29	(99% confidence limits)

notes: sd, standard deviation; cv, coefficient of variance



Quality Assurance Unit:


 Authorized by G. Diaz, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Our liability is limited to the cost of the test requested on the sample as received. No liability in whole or in part is assumed for the collection, handling or transport of the sample, application or interpretation of the test data or results in part or in whole.

Result Summary

Client: TAH102
 Reference: 07-1554-01-CDD

Client: Tahera Diamond Corporation; operation Jericho

Sample: Lake C3
 chronic tox

Collection: collected on 2007/08/26 at 1130 by B. Ott

Receipt: received on 2007/08/28 at 1420 by M. Stevenson

Containers: received 1 x 20L pail at 14 °C, in good condition with no seals and no initials

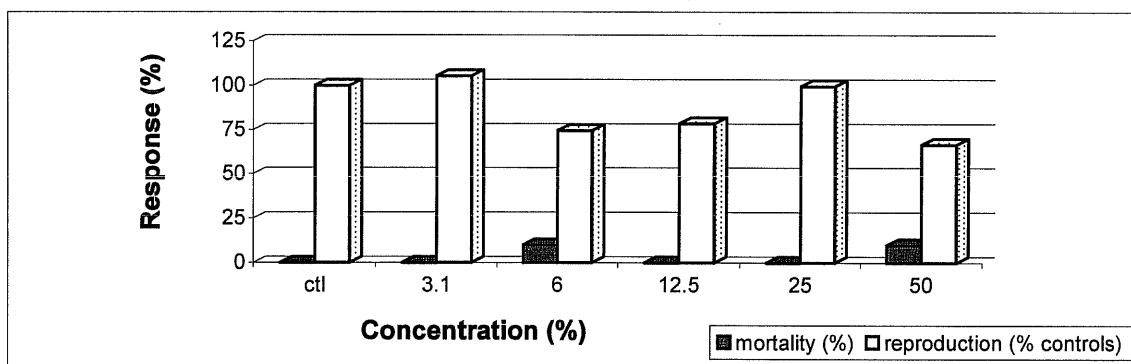
Description: type: Water, collection method: Grab

Test: started on 2007/08/29 ; ended on 2007/09/05

Result:

	Endpoint (6-day)	Value	Confidence Limits (95%)		Units	Method Calculated
			lower	upper		
Acute: (survival)	LC25	>100			%	could not be calculated
	LC50	>100			%	could not be calculated
Chronic: (fecundity)	IC25	52	na	155	%	Log-Logistic
	IC50	80	na	na	%	Log-Logistic

Notes: LCx & ICx, concentrations lethal or inhibitory to 'x' percent of the test population; fecundity, reproduction as the number of young produced; ctl, control; na, could not be calculated




 For
 Authorized by K. Steele, B.Sc., Quality Assurance Officer
 The test data and results are verified correct.

Our liability is limited to the cost of the test requested. The test results only relate to the sample as received. No liability in whole or in part is assumed for the collection, handling or transport of the sample, application or interpretation of the test data or results.

Test Conditions

Client: TAH102 Reference: 07-1554-01-CDD

Method: Biological Test method: Test of Reproduction and Survival Using the Cladoceran *Ceriodaphnia dubia*, 1992. Environ.Can., EPS 1/RM/21.
(amended November, 1997)

Test type: *Ceriodaphnia* 7-day Survival and Reproduction Static Renewal Test (HQ 4.4.3.2)

Species: *Ceriodaphnia dubia*

Age: <24 hours old; all from same brood source within 12 h of the same age

Organism source: in-house cultures; cultures from a single brood organism to provide test organisms

Culture health: Culture mortality was 14% (must be $\leq 20\%$)

7-d prior to test initiation: No ephippia were noted in the cultures

Average young produced per adult was 24 (must be ≥ 15)

Number of young produced by each brood organism in the last complete brood before use was 8 (must be ≥ 6)

Organism observations: No unusual behavior, appearance or treatment of test organisms was noted prior to or during the test

Sample initial chemistry: pH: 7.6; EC: 42 ($\mu\text{S}/\text{cm}$); DO: 9.1 (mg/L); temperature: 18 °C
hardness (mg CaCO_3/L): 7; colour: pale yellow; odour: odourless

Sample holding time: 3 days (must be ≤ 3 days); The test was conducted with three subsamples, samples a, b, and c were for days 0 to 2, 3 to 4, and 5 to 7.

Sample storage: $4 \pm 2^\circ\text{C}$ in darkness

Test vessel: The tests were conducted in 30 mL plastic vessels (2 cm depth)

Test volume: 15 mL of solution (2 cm depth); replenished daily

Control/dilution water: The control and dilution water was a mixture of moderately hard reconstituted water and Bow River Water (50:50). Chemicals added to dilution water:
0.96 g NaHCO_3 , 0.60 g CaSO_4 , 0.60 g MgSO_4 , 0.04 g KCl per 20L

Test concentrations: 6 effluent concentrations (3, 6.3, 12.5, 25, 50, 100% (v/v) plus a negative control)

Test replicates: One neonate <24 hours old was loaded per test vessel;
10 replicates/concentration

Feeding: The test organisms were fed daily a mixture of fermented trout chow, yeast, alfalfa powder, and the green alga *Pseudokirchneriella subcapitata* (formerly *Selenastrum capricornutum* and *Raphidocelis subcapitata*).
Food expiration date: 2007/09/09

Measurements: pH, conductivity, dissolved oxygen and temperature were measured daily

Sample pre-treatment: The sample was not aerated, filtered or pH adjusted prior or during testing
The dissolved oxygen concentration (mg/L) was: 7.8
The sample pH was: 7.7

Lighting: Overhead full spectrum fluorescent lights; 100-600 lux at surface

Photoperiod: 16h light:8h dark

Test temperature: $25 \pm 1^\circ\text{C}$

Note: Outlined sections are protocol deviations explained on the comment page

Test Conditions

Client: TAH102 Reference: 07-1554-01-CDD

Endpoints: Survival, 7-d LC50 (with 95% confidence limits)
Reproduction, 7-d IC25 (with 95% confidence limits)
Test endpoints were bracketed by at least 1 test concentration
(except for <0.1% or >100 %)

Test completion: 90% of the control organisms had ≥ 3 broods on day 7 (must be $\geq 60\%$ within 8 days)

Test validity: The control had 90% survival (must $\geq 80\%$)
Number of young produced by each surviving control adult was 22 (must be ≥ 15)

Reference toxicant: 7-d test with NaCl initiated August 17, 2007;
current results: (7-d LC50 and 95% confidence limits) = 3.26 (3.05-3.40) log (g/L NaCl)
current results: (7-d IC50 and 95% confidence limits) = 2.96 (2.41-3.51) log (g/L NaCl)

Note: Outlined sections are protocol deviations explained on the comment page

Test Data

Client: TAH102
Reference: 07-1554-01-CDD

Test Log:

Date	Day	Time	Technicians	Temperature Before Use (°C)	
				Control	Sample
2007/08/29	0	0910	S. Krishnappa	25	25
2007/08/30	1	0915	L. Henson	25	25
2007/08/31	2	1120	L. Henson	24	26
2007/09/01	3	1040	L. Henson	24	24
2007/09/02	4	1050	L. Henson	24	26
2007/09/03	5	1025	L. Henson	24	26
2007/09/04	6	0925	L. Henson	24	26
2007/09/05	7	0940	E. Blais	na	na

Chemistry Summary Tables:
New Solutions

Conc. (%)	ctl	3.1	6.3	12.5	25	50	100
-----------	-----	-----	-----	------	----	----	-----

Old Solutions

ctl	3.1	6.3	12.5	25	50	100
-----	-----	-----	------	----	----	-----

Average Values

	7.8	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.0	7.9	7.9
pH	378	372	364	340	302	227	59	397	378	367	371	313	234	73
cond.	7.6	7.6	7.6	7.6	7.6	7.7	7.9	7.6	7.6	7.6	7.6	7.6	7.6	7.6
DO	25	25	25	25	25	25	25	25	25	25	25	25	25	25
temp.														

Coefficients of Variation (%)

	2	2	2	2	1	1	1	2	2	2	2	2	2	2
pH	7	7	7	10	10	11	14	9	7	8	8	9	13	17
cond.	3	3	4	4	4	4	6	4	4	5	5	5	5	5
DO	2	2	2	2	2	2	2	2	2	2	2	2	2	2
temp.														

Test Data

Client: TAH102
Reference: 07-1554-01-CDD

Biology (number of young produced):

Conc. (%)	ctl	3.1	6.3	12.5	25	50	100
-----------	-----	-----	-----	------	----	----	-----

ctl	3.1	6.3	12.5	25	50	100
-----	-----	-----	------	----	----	-----

Replicate

Day1

1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0

Day 4

4	5	3	4	3	0	0
3	3	0	5	4	0	0
4	5	4	4	0	3	0
0	3	3	3	3	0	3
4	4	0	3	3	2	0
3	4	0	4	4	2	0
2	4	5	2	3	3	0
0	0	4	3	4	2	3
5	3	3	0	2	0	0
4	3	0	2	5	3	0

Day 2

1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0

Day 5

2	0	0	9	2	5	2
0	8	2	7	5	4	3
6	3	7	5	6	5	2
4	6	3	6	4	0	6
4	7	3	0	7	3	0
7	7	2	5	7	5	3
8	3	9	5	9	7	0
8	9	0	4	5		2
8	8	2	0	8	2	2
10	4	0	5	4	0	2

Day 3

1	0	0	0	0	0	0	0
2	0	0	0	0	0	2	0
3	0	3	2	0	0	0	0
4	0	2	0	0	0	0	0
5	0	3	0	0	0	0	0
6	0	3	0	0	0	0	0
7	0	4	0	0	0	0	0
8	0	3	4	0	0	0	2
9	0	4	3	2	0	0	0
10	0	3	3	0	2	0	0

Day 6

10	3	5	6	9	0	8
11	0	3	0	4	3	4
10	8	9	0	8	6	6
12	5	10	2	7	7	3
3	3	4	4	0	4	0
4	11	0	2	3	2	0
0	9	4	6	10	9	0
8	9	8	7	7		4
3	6	10	2	7	4	6
0	3		4	6	8	2

Notes: #, young produced; 0, no young; blank, dead; bold print #, number of young the test organism had the day it died.

Test Data

Client: TAH102
Reference: 07-1554-01-CDD

Biology (number of young produced):

Conc. (%)	ctl	3.1	6.3	12.5	25	50	100
-----------	-----	-----	-----	------	----	----	-----

ctl	3.1	6.3	12.5	25	50	100
-----	-----	-----	------	----	----	-----

Replicate

Day 7

1	0	10	0	12	10	11	2
2	2	2	9	13	12	8	0
3	12	12	8	8	2	0	2
4	10	7	0	10	4	4	0
5	9		6	6	0	9	0
6	6	2	0	8	12	7	0
7	9	10	4	3	10	3	0
8	0	8	12	0	6		0
9	12	10	10	2	10	2	4
10	13	0		0	2	12	4

Day 8

Notes: #, young produced; 0, no young; blank, dead; bold print #, number of young the test organism had the day it died.

Biology Summary Tables:

Conc. (%)	ctl	3.1	6	12.5	25	50	100
-----------	-----	-----	---	------	----	----	-----

ctl	3.1	6	12.5	25	50	100
-----	-----	---	------	----	----	-----

Day

Mortality (%)

0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	10	0
6	0	0	10	0	0	10	0
7	0	10	10	0	0	10	0
8							

Daily Young Production

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	25	12	2	2	2	2	2
29	34	22	30	31	15	6	
57	55	28	46	57	31	22	
61	57	53	33	61	43	33	
73	61	49	62	68	56	12	

totals

0	0	10	0	0	10	0
---	---	----	---	---	----	---

220	232	164	173	219	147	75
-----	-----	-----	-----	-----	-----	----

Replicate

Total Young Produced by Each Adult

1	16	18	8	31	24	16	
2	16	13	14	25	25	17	
3	32	31	30	17	16	14	
4	26	23	16	21	18	11	
5	20	17	13	13	10	18	
6	20	27	2	19	26	16	
7	19	30	22	16	32	22	
8	16	29	28	14	22	2	
9	28	31	28	6	27	8	
10	27	13	3	11	19	23	

Average Young Per Adult

22	23	16	17	22	15	8
----	----	----	----	----	----	---

Young Production as a Percent of Controls

100	105	75	79	100	67	34
-----	-----	----	----	-----	----	----

Test Data

 Client: TAH102
 Reference: 07-1554-01-CDD

Chemistry:
New Solutions

Conc. (%)	ctl	3.1	6.3	12.5	25	50	100
-----------	-----	-----	-----	------	----	----	-----

Day

pH (units)

0	7.7	7.7	7.8	7.7	7.7	7.7	7.8
1	7.6	7.7	7.7	7.7	7.8	7.8	7.9
2	7.6	7.7	7.7	7.8	7.8	7.8	7.9
3	8.0	7.9	7.9	7.8	7.8	7.8	7.9
4	7.8	8.0	8.0	8.0	8.0	8.0	7.9
5	7.8	7.8	7.8	7.8	7.8	7.8	7.8
6	7.9	8.0	8.0	8.0	8.0	8.0	8.0
7							
8							

Conductivity (µS/cm)

0	324	316	318	273	238	171	55
1	376	367	356	339	302	226	51.0
2	379	380	371	333	312	240	57.9
3	405	402	399	366	321	239	64.0
4	384	379	366	348	310	234	61.9
5	409	390	382	380	330	248	74.6
6	372	369	357	338	301	229	51.7
7							
8							

Dissolved Oxygen (mg/L)

0	7.9	7.9	7.8	7.8	7.8	7.8	7.7
1	7.2	7.3	7.3	7.3	7.3	7.3	7.4
2	7.6	7.4	7.3	7.4	7.4	7.6	7.9
3	7.7	7.8	8.0	8.0	8.0	8.1	8.6
4	7.6	7.9	7.8	7.9	8.0	8.0	8.4
5	7.8	7.8	7.7	7.6	7.6	7.5	7.5
6	7.4	7.4	7.4	7.3	7.4	7.5	7.7
7							
8							

Temperature (°C)

0	25	25	25	25	25	25	25
1	25	25	25	25	25	25	25
2	25	25	25	25	25	25	25
3	24	24	24	24	24	24	24
4	24	24	24	24	24	24	24
5	24	24	24	24	24	24	24
6							
7							
8							

Old Solutions

ctl	3.1	6	12.5	25	50	100
-----	-----	---	------	----	----	-----

pH (units)

7.9	7.9	7.9	7.9	7.9	7.8	7.9
7.9	7.9	7.9	7.9	7.9	7.9	8.0
8.1	8.1	8.1	8.1	8.1	8.0	8.1
8.0	8.1	8.1	8.1	8.1	8.0	8.0
7.6	7.6	7.7	7.7	7.7	7.7	7.7
8.2	8.1	8.2	8.1	8.1	8.1	8.1
7.9	7.9	7.9	7.9	7.9	7.8	7.8

Conductivity (µS/cm)

412	390	378	387	333	257	96.6
454	406	396	410	334	251	64.3
337	320	307	319	253	171	59.6
409	394	389	390	327	245	66.4
372	372	365	341	311	245	66.9
398	387	375	376	323	245	76.6
398	374	362	375	309	226	78.9

Dissolved Oxygen (mg/L)

7.6	7.6	7.4	7.3	7.4	7.4	7.4
7.2	7.1	7.1	7.1	7.2	7.2	7.3
8.0	8.0	8.1	8.2	8.2	8.1	8.1
7.8	7.9	8.0	8.1	8.1	8.1	8.1
7.5	7.4	7.4	7.4	7.4	7.5	7.6
7.9	7.8	7.7	7.7	7.5	7.4	7.5
7.5	7.5	7.4	7.4	7.4	7.3	7.3

Temperature (°C)

25	25	25	25	25	25	25
25	25	25	25	25	25	25
24	24	24	24	24	24	24
24	24	24	24	24	24	24
25	25	25	25	25	25	25
24	24	24	24	24	24	24

Comments/Statistics

Client: TAH102
Reference: 07-1554-01-CDD

Test Result Comments:

None

Data Analysis:

Endpoints for mortality could not be calculated. No effect occurred.

Endpoints for reproduction were calculated using a non-linear regression model (3P Log-Logistic) with CETIS v1.1.2 rev P.

Protocol Deviations:

None

Test Method: *Ceriodaphnia* Survival and Reproduction Test (6 treatments plus a control)
HydroQual Test Method Manual, section: 4.4.3.2

Reference: Biological Test Method: Test of Reproduction and Survival Using the
Cladoceran *Ceriodaphnia dubia*, 1992. Environment Canada, EPS 1/RM/21
including November, 1997 amendments.

Test Organism:

test species: *Ceriodaphnia dubia*
culture source: in-house
original culture source: Environment Canada
ephippia in stock culture: none
food type: YAT:Algae
frequency of feeding: daily
age of test organisms: <24 hours
culture mortality 7 days prior: 0
culture fecundity 7 days prior: 15
young produced in previous brood: 9
culture condition prior to test initiation: normal
culture water: 50:50 water

Test Design:

test type: static renewal
toxicant: sodium chloride (NaCl)
test vessel: 30 mL plastic cup
test volume (mL): 15
replicates per treatment: 10
organisms per replicate: 1
feeding: daily
temperature (°C): 24-26
photoperiod: 16 hours light: 8 hours dark
light level (surface): 100-600 lux
hardness adjustment: no

*Note: there are 2 subcultures within this culture source, separated by one week in age. The test is set with organisms from one subculture.
The number of young a culture has is monitored daily. If young are not used that day, they are discarded, therefore organisms in tests are <24h.

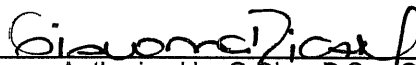
Control/Dilution Water:

source: equal volumes of Bow River water and
moderately hard reconstituted water (50:50 water)
pH (units): 8.3
conductance (uS/cm): 396
dissolved oxygen (mg/L): 7.3
NH₄⁺ (mg/L): <0.1
hardness (mg CaCO₃/L): 126
alkalinity (mg CaCO₃/L): 94
total residual chlorine (mg/L): <0.01

Note: moderately hard reconstituted water prepared as per EPS 1/RM/21

Comments: There were no protocol deviations during the conduct of this test.

Quality Assurance Unit:



Authorized by G. Diaz, B.Sc., Quality Assurance Officer
The test data and results are verified correct.

Mortality

Current Test

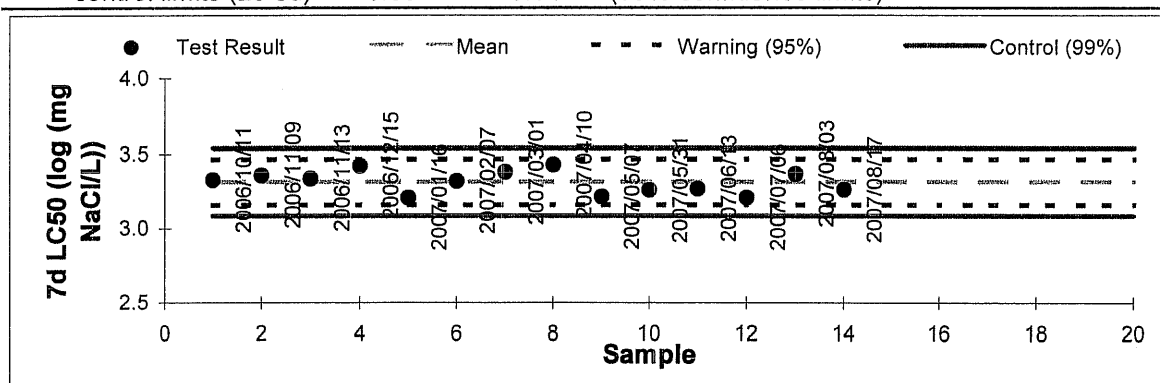
toxicant Sodium chloride (NaCl)

started on 2007/08/17 ended on 2007/08/24

Result (7d LC50): 3.26 log (mg NaCl/L); geometric mean
Confidence Limits (95%) lower 3.05 upper 3.40

Historical Values

	mean	sd	0.08	cv(%)	2
	3.31				
	lower	upper			
warning limits (± 2 sd)	3.16	3.46	(95% confidence limits)		
control limits (± 3 sd)	3.09	3.54	(99% confidence limits)		



Reproduction

Current Test

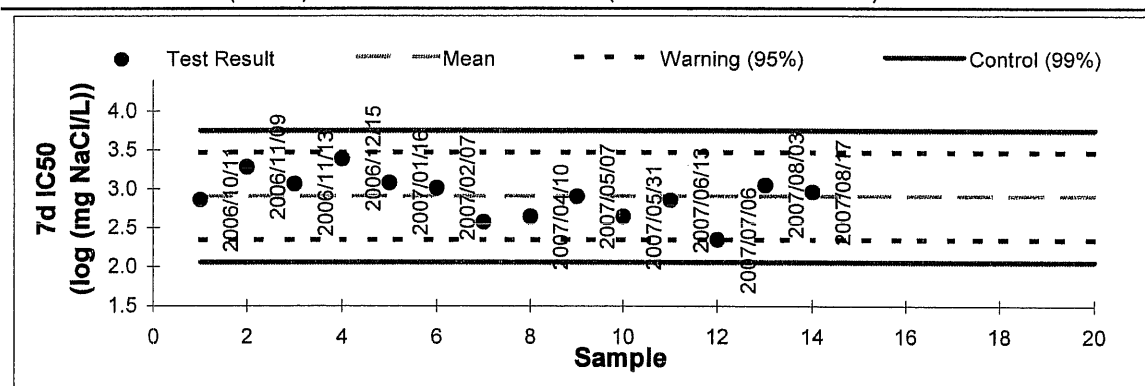
toxicant Sodium chloride (NaCl)

started on 2007/08/17 ended on 2007/08/24

Result (7d IC50): 2.96 log (mg NaCl/L); geometric mean
Confidence Limits (95%) lower 2.41 upper 3.51

Historical Values

	mean	sd	0.28	cv(%)	10
	2.90				
	lower	upper			
warning limits (± 2 sd)	2.34	3.47	(95% confidence limits)		
control limits (± 3 sd)	2.06	3.75	(99% confidence limits)		



Notes: sd, standard deviation; cv, coefficient of variance; NA, could not be calculated

Quality Assurance Information

Culture history for adults used in reference toxicant test started on 2007/08/17:

Number of young produced per brood adult:

Day Prior to Use	row/replicate	B1	C1	A5	B3	C4	B5	C5	A6	B6	C6	C7
7	number of young											
	number of adults											
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
6	number of young											
	number of adults											
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
5	number of young											
	number of adults											
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
4	number of young	2	2	2	2	2	0	0	0	0	2	0
	number of adults	2	2	2	2	2	2	2	2	2	2	2
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
3	number of young	8	0	6	2	6	6	4	4	4	6	6
	number of adults	2	2	2	2	2	2	2	2	2	2	2
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
2	number of young	12	8	7	6	6	6	12	8	4	6	6
	number of adults	2	2	2	2	2	2	2	2	2	2	2
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
Day Used	number of young	6	10	8	8	8	9	12	10	8	9	6
2007/06/07	number of adults	1	1	1	1	1	1	1	1	1	1	1
		B1	C1	A5	B3	C4	B5	C5	A6	B6	C4	B5
Totals	number of young per adult	17	15	16	13	15	15	20	16	12	16	12

Number of young produced per organism in the last brood before use 9

Mean number of surviving young per adult over the last seven days 15

Culture mortality over the last seven days 0

Quality Assurance Information

Culture history for adults used in the test for sample 01 reference 07-1554:

Number of young produced per brood adult:

Day Prior to Use	row/replicate	B1	B3	B4	B6	C3	C4	C5	C6	F7		
7	number of young									6		
	number of adults									1		
6		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young									0		
	number of adults									1		
5		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young									7		
	number of adults									1		
4		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young									9		
	number of adults									1		
3		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young	4	12	5	6	5	5	0	5	2		
	number of adults	1	1	1	1	1	1	1	1	1		
2		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young	7	6	8	8	11	14	6	12	8		
	number of adults	1	1	1	1	1	1	1	1	1		
DAY USED		B1	B3	B4	B6	C3	C4	C5	C6	F7		
2007/08/29	number of young	8	6	8	7	7	6	9	9	14		
	number of adults	1	1	1	1	1	1	1	1	1		
totals		B1	B3	B4	B6	C3	C4	C5	C6	F7		
	number of young	19	24	21	21	23	25	15	26	46		
	per adult											

Number of young produced per organism in the last brood before use

8

Mean number of surviving young per adult over the last seven days

24

Culture mortality over the last seven days

14

Figure 3.5.1
Waterbodies Sampled during Fisheries Program
Mine Operation Zone,
Jericho Study Area, 1996.

