



shear
diamonds

**TYPE A WATER LICENSE
2AM-JER1119
Jericho Diamond Mine**

Monthly Report

Month being reported: February 2012

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1 INTRODUCTION

This Monthly Report is prepared as per Part B, Section 2 of the Type A Water License 2AM-JER1119, made effective by the Nunavut Water Board (NWB) on February 07 2012, to Shear Diamonds (Nunavut) Corp., a wholly owned subsidiary of Shear Diamonds Ltd.

Shear Diamonds Ltd. applied for a renewal application in February 2011. The NWB held a public hearing related to that application on November 30, 2011 and December 1, 2011 in Kugluktuk, NU. License 2AM-JER1119 replaced 2AM-JER0410, which was originally granted to Benachee Resources Inc.

2 MONTHLY AND ANNUAL QUANTITIES OF WATER OBTAINED FROM CARAT LAKE, LYNNE LAKE AND CONTWOYTO LAKE (Schedule B, Item 1a)

Freshwater was drawn from Carat Lake for domestic water use in the accommodations complex, offices, maintenance complex, dust control and the operation of the process plant. Table 2.1 provides the monthly and annual quantity of freshwater used. A total of 189.7 m³ of water was drawn from Carat Lake since the beginning of 2012.

There has not been a winter road to the Jericho site since 2008. Accordingly, no water has been obtained from either Lynne Lake or Contwoyto Lake since that time.

Table 2.1- CARAT LAKE - Freshwater Use January - February 2012 (m3)

MONTH	DOMESTIC WATER USE	PROCESS PLANT	CUMULATIVE TOTALS
January	71.1	50.0	121.1
February	57.6	11.0	68.6
March	N/A	N/A	N/A
April	N/A	N/A	N/A
May	N/A	N/A	N/A
June	N/A	N/A	N/A
July	N/A	N/A	N/A
August	N/A	N/A	N/A
September	N/A	N/A	N/A
October	N/A	N/A	N/A
November	N/A	N/A	N/A
December	N/A	N/A	N/A
ANNUAL TOTALS	128.7	61.0	189.7

Daily values can be found in Appendix A

3 MONTHLY AND ANNUAL QUANTITIES OF RECYCLED WATER (Schedule B, Item 1b)

While operating under Temporary Closure, no recycled water was used from the PKCA. Water pumped from Carat Lake into the Process Plant does get recycled within the Plant for a length of time prior to being discharged into the PKCA.

4 MONTHLY AND ANNUAL QUANTITIES OF SOLIDS IN TONNES AND LIQUID FRACTIONS OF EACH WASTE STREAM DISCHARGED TO THE PROCESSED KIMBERLITE CONTAINMENT AREA (Schedule B, Item 1c)

East Sump

No water was pumped to or from the east sump in 2012, as of the end February 2012.

Sewage Treatment Plant

Refer to section 7.

Open Pit

Refer to section 6.

Oztek Unit

Refer to Section 9.

Seepage

There has not been a seepage survey done in February 2012.

During Temporary Closure activities, production of fine PK was, and will continue to be limited to a small amount produced during the evaluation of the process plant using stockpiled material. Cell A has sufficient capacity for this evaluation work.

5 MONTHLY AND ANNUAL QUANTITIES OF ANY DISCHARGES FROM THE PROCESSED KIMBERLITE CONTAINMENT AREA (Schedule B, Item 1d)

Discharge from the PKCA has not taken place yet in 2012.

A total of 0 m³ of water was discharged from the PKCA into the receiving environment.

Table 5.1 – Volume of Supernatant Discharge to Receiving Environment

MONTH	VOLUME DISCHARGED FROM THE PKCA (m ³)
January	0
February	0
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	N/A
October	N/A
November	N/A
December	N/A
ANNUAL TOTAL	0

6 MONTHLY AND ANNUAL QUANTITIES OF MINE PIT WATER AND DYKE SEEPAGE PUMPED FROM ALL FACILITIES TO THE PROCESSED KIMBERLITE CONTAINMENT AREA (Schedule B, Item 1e)

Table 6.1 summarizes the monthly and annual volumes of water pumped from the Jericho pit. As of January 2012, there has not been any volume pumped from the pit into the PKCA.

Table 6.1 – Quantities in m³ of pit water pumped to the PKCA

MONTH	VOLUME PUMPED FROM PIT TO PKCA (m ³)
January	0
February	0
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	N/A
October	N/A
November	N/A
December	N/A
TOTAL VOLUME PUMPED (m³)	0

7 MONTHLY AND ANNUAL QUANTITIES OF TREATED EFFLUENT DISCHARGED FROM THE WASTEWATER TREATMENT FACILITY (Schedule B, Item 1f)

Table 7.1 summarizes the monthly and annual volumes of treated effluent discharged from the Wastewater Treatment Facility – Sewage Treatment Plant (STP). All discharges of treated effluent from the STP in 2012 were deposited into the PKCA. A total of 65.4 m³ of treated sewage effluent was discharged from the STP to the PKCA as of February.

Table 7.1 – Quantities in m³ discharged from Waste Water Treatment Facility to PKCA

MONTH	Volume Treated – WWTP Treated Effluent (m³)
January	48.0
February	17.4
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	N/A
October	N/A
November	N/A
December	N/A
TOTAL VOLUME PUMPED (m³)	65.4

Daily values can be found in Appendix B

8 MONTHLY AND ANNUAL QUANTITIES OF SEWAGE SOLIDS REMOVED FROM THE WASTEWATER TREATMENT FACILITY (Schedule B, Item 1g)

The removal of sewage solids from the Wastewater Treatment Facility has not been required on a regular basis while operating under Temporary Closure conditions. Settled solids were removed from the aeration tank as required based on camp population in order to maintain efficient functioning of the Sewage Treatment Plant. Settled solids are collected using a vacuum truck and deposited into a designated basin located on the till dump. Table 8.1 summarizes the volume of sewage solids removed from the Wastewater Treatment Facility. A total of 0 m³ of settled sludge was deposited into the designated basin on the till dump in February of 2012.

Table 8.1 Sewage Solids Removed January – December 2012

MONTH	SEWAGE SOLIDS REMOVED (m ³)
January	0
February	0
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	N/A
October	N/A
November	N/A
December	N/A
TOTAL	0

9 MONTHLY AND ANNUAL QUANTITIES OF TREATED EFFLUENT DISCHARGED FROM THE HYDROCARBON CONTACT WATER REMEDIATION UNIT (Schedule B, Item 1h)

In 2011 Shear Diamonds Ltd. assisted in the design of a mobile hydrocarbon contact water remediation unit (Oztek). This unit is used to treat water that is pumped from secondary containment areas. Prior to discharge to the PKCA, water is treated, sampled and pumped to the PKCA. Table 9.1 summarizes the volumes of treated and discharged from the Oztek to the PKCA. So far, there has not been any remediated water processed by the Oztek in 2012, as the water is still frozen.

Table 9.1 Volumes of treated effluent discharged from Oztek to PKCA (m³)

MONTH	VOLUMES OF EFFLUENT DISCHARGED (m ³)
January	0
February	0
March	N/A
April	N/A
May	N/A
June	N/A
July	N/A
August	N/A
September	N/A
October	N/A
November	N/A
December	N/A
TOTAL	0

10 ANNUAL QUANTITIES OF OVERBURDEN, WASTE ROCK, ORE STOCKPILED, OR PROCESSED STORED (Schedule B, Item 1i)

The Jericho mine site continues to be operated under Temporary Closure conditions. There have been no materials mined, stockpiled or stored since Tahera operations ceased in 2008.

11 SUMMARY OF CONSTRUCTION ACTIVITIES AND UPDATED MINE PLAN (Schedule B, Item 1k)

The Jericho mine site has not had any construction activities in February 2012. No construction activities took place and there have been no changes to the Mine Plan originally filed by Tahera Diamond Corporation.

12 SUMMARY OF ANY MODIFICATION AND/OR MAJOR MAINTENANCE WORK AND/OR DEMOLITION WORK AND ANY ASSOCIATED STRUCTURES (Schedule B, Item 1l)

No modifications, major maintenance work or demolition work took place in February.

13 LIST AND DESCRIPTION OF ALL UNAUTHORIZED DISCHARGES AND SPILLS (Schedule B, Item 1t)

There were no unauthorized discharges at the Jericho mine site February, 2012. There were 2 spills reported in February, 2012. Both spill reports can be found in Appendix C.

14 OUTLINE OF SPILL TRAINING EXERCISES CARRIED OUT BY THE LICENSEE (Schedule B, Item 1u)

No spill training exercises were carried out by Shear Diamonds Ltd. February 2012. While operating under Temporary Closure conditions, the number of people on site is limited and all potential training opportunities were not conducive with flight logistics in and out of site. The decision was made to hold off on training until such time as more people were available to participate making it more cost effective and productive.

15 SITE INSPECTIONS

There were no site inspections in February 2012 at the Jericho Mine Site.

16 SITE VISITORS

No visitors were present on site, with the exception of contractors from Finning, during the month of February.

17 NON-COMPLIANCES

February had a few compliance issues. Issues regarding improper waste sorting, handling and incineration. There are also compliance issues with the storage of waste hydrocarbons, secondary containment, waste storage and handling in the truck shop at site. Action plans are being developed to address these issues.

Water testing analysis for SWQ-01 effluent and influent, SWQ-12 carat lake pump house, dustfall air quality and site drinking water can be found in Appendix D

APPENDIX A: Daily values of water drawn from Carat Lake pump house

Date	Meter Reading (m3) ^a	Daily Volume (m3) ^b	Operator Initials
1-Feb-12			
2-Feb-12	226031	11.5	AU
3-Feb-12	223146		AU
4-Feb-12	223146		AU
5-Feb-12	223146		AU
6-Feb-12	223146	9.8	AU
7-Feb-12	226244		AU
8-Feb-12	226244		AU
9-Feb-12	226244		AU
10-Feb-12	226244		AU
11-Feb-12	226244	11.7	AU
12-Feb-12	226361		AU
13-Feb-12	226361		AU
14-Feb-12	226361	6.1	AU
15-Feb-12	226422		AU
16-Feb-12	226422		AU
17-Feb-12	226422		AU
18-Feb-12	226422		RO
19-Feb-12	226422		PF
20-Feb-12	226422		MC
21-Feb-12	226422		
22-Feb-12	226601	17.9	PF
23-Feb-12	226601		MC
24-Feb-12	226601		MC
25-Feb-12	226601		MC
26-Feb-12	226601		MC
27-Feb-12	226607		MC
28-Feb-12	226607		MC
29-Feb-12	226607		MC

APPENDIX B: Daily quantities removed from the Waste Water Treatment Facility to Cell A of the PKCA

				Vac Truck	
Date	Time	Flow Meter Reading [L]	Daily Discharge [L]	Raw Sewage Pumped IN [US Gal]	Sludge Pumped Out [US Gal]
3-Feb-12	7:00	0			
4-Feb-12	7:00	0	10,951		
5-Feb-12	7:30	10,951	6,438		
6-Feb-12	7:00	17,389	???		
7-Feb-12		Power Outage Flow Meter Down	???		
8-Feb-12	10:40	Power Outage Flow Meter Down	???		
9-Feb-12	7:00	Power Outage Flow Meter Down	???		
10-Feb-12	7:30	Power Outage Flow Meter Down	???		
12-Feb-12	7:30	Power Outage Flow Meter Down	???		
13-Feb-12	7:15	Power Outage Flow Meter Down	???		
14-Feb-12	7:10	Power Outage Flow Meter Down	???		
15-Feb-12	7:30	Power Outage Flow Meter Down	???		
16-Feb-12	9:45	Power Outage Flow Meter Down	???		
17-Feb-12	7:08	Power Outage Flow Meter Down	???		
18-Feb-12	6:41	Power Outage Flow Meter Down	???		
19-Feb-12	6:41	Power Outage Flow Meter Down	???		
21-Feb-12	6:37	Power Outage Flow Meter Down	???		
22-Feb-12	6:48	Power Outage Flow Meter Down	???		
23-Feb-12	6:47	Power Outage Flow Meter Down	???		
24-Feb-12	6:40	Power Outage Flow Meter Down	???		
25-Feb-12	7:00	Power Outage Flow Meter Down	???		
26-Feb-12	7:30	Power Outage Flow Meter Down	???		
27-Feb-12	7:20	Power Outage Flow Meter Down	???		
28-Feb-12	7:15	Power Outage Flow Meter Down	???		

APPENDIX C: Spill reports



Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE
TEL: (867) 920-8130
FAX: (867) 873-6024
EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR Feb 22, 2012	REPORT TIME 12:49 p.m.	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # TO THE ORIGINAL SPILL REPORT		REPORT NUMBER
B	OCCURRENCE DATE: MONTH - DAY - YEAR Feb 21, 2012	OCCURRENCE TIME 5:00 p.m.			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KTL 311 0815	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-JER1119			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Jericho Mine Site, 2km S of Cont Lake.		REGION ☐ NWT ☒ Nunavut ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 66 MINUTES 01 SECONDS 00	LONGITUDE DEGREES 111 MINUTES 27 SECONDS 00			
F	RESPONSIBLE PARTY OR VESSEL NAME Shear Diamonds	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Suite 220, 6 Adelaide St E, Toronto, ON, M5C 1H6			
G	ANY CONTRACTOR INVOLVED n/a	CONTRACTOR ADDRESS OR OFFICE LOCATION n/a			
H	PRODUCT SPILLED Oil	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 15L	U.N. NUMBER 3082		
H	SECOND PRODUCT SPILLED (IF APPLICABLE) n/a	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES n/a	U.N. NUMBER		
I	SPILL SOURCE light plant engine	SPILL CAUSE engine issues	AREA OF CONTAMINATION IN SQUARE METRES 1 m ²		
J	FACTORS AFFECTING SPILL OR RECOVERY	DESCRIBE ANY ASSISTANCE REQUIRED none	HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT none		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS - engine issues while transporting the light plant to the airstrip. - spill occurred for about 250m (thin line, very scattered). - light plant is no longer being used. - All contaminated snow was gathered & disposed of safely. - light plant will not be used again until it has been properly fixed & will be closely monitored after that.				
L	REPORTED TO SPILL LINE BY Mathieu Charbonneau	POSITION Environmental Technician	EMPLOYER Shear diamonds	LOCATION CALLING FROM Jericho mine site	TELEPHONE (778) 372-2750
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION Environment Manager	EMPLOYER Shear diamonds	ALTERNATE CONTACT LOCATION Jericho	ALTERNATE TELEPHONE (778) 372-2726
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ COG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN FILE STATUS ☐ OPEN ☐ CLOSED		
AGENCY	CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					

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Canada

NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR February 16 2012		REPORT TIME 7 am		☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	OCCURRENCE DATE: MONTH - DAY - YEAR February 6-13 2012		OCCURRENCE TIME			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) KTL 311 C015		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-JER1119			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Jericho Mine Site, 2 km S of Carat L.			REGION ☐ NWT ☐ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 66 MINUTES 01 SECONDS 00		LONGITUDE DEGREES 111 MINUTES 27 SECONDS 00			
F	RESPONSIBLE PARTY OR VESSEL NAME Shear Diamonds		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION Suite 220, 6 Adelaide St E Toronto, ON M5C 1H6			
G	ANY CONTRACTOR INVOLVED no		CONTRACTOR ADDRESS OR OFFICE LOCATION n/a			
H	PRODUCT SPILLED Diesel (hydrocarbon)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 4L		U.N. NUMBER 1202	
	SECOND PRODUCT SPOILED (IF APPLICABLE) n/a		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER	
I	SPILL SOURCE valve		SPILL CAUSE loosened bolts on valve		AREA OF CONTAMINATION IN SQUARE METRES 0.5	
J	FACTORS AFFECTING SPILL OR RECOVERY		DESCRIBE ANY ASSISTANCE REQUIRED none		HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT none	
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS - bolts on valve connected to diesel tank were loose, resulting in a slow leak that was discovered on February 12, 2012 - all leaked fuel was contained in a bermed area - bolts on valve were tightened, and valve is being monitored for any additional leakage					
L	REPORTED TO SPILL LINE BY Wes Akhien	POSITION Environmental Tech	EMPLOYER Shear Diamonds	LOCATION CALLING FROM Jericho Mine Site	TELEPHONE 778-372-2750	
M	ANY ALTERNATE CONTACT Kyle Conway	POSITION Site Admin	EMPLOYER Shear Diamonds	ALTERNATE CONTACT LOCATION Jericho	ALTERNATE TELEPHONE 778-372-2726	
REPORT LINE USE ONLY						
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130	
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ CLOSED	
AGENCY		CONTACT NAME		CONTACT TIME		REMARKS
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						

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APPENDIX D: Raw Data from ALS water testing

SWQ-01. Effluent

ALS		Sample ID	SWQ-01 EFFLUENT	JER-SWQ-01 EFFLUENT	JER SWQ-01 EFFLUENT
3/19/2012		ALS ID	L1109745-2	L1115782-7	L1119347-2
Multiple Work Orders		Date Sampled	2/1/2012 12:00:00 AM	2/17/2012 11:05:00 AM	2/29/2012 8:10:00 AM
Analyte	Units	LOR	Water	Water	Water
Hardness (as CaCO3)	mg/L	0.5	49.3	-	-
Temperature	Degree C	1	25	25	25
Total Suspended Solids	mg/L	3	<3.0	18	16
Total Dissolved Solids	mg/L	10	442	429	418
Turbidity	NTU	0.1	4.31	9.97	9.73
Acidity (as CaCO3)	mg/L	5	21	19.4	22.4
Alkalinity, Total (as CaCO3)	mg/L	5	10.8	5.1	15.1
Ammonia, Total (as N)	mg/L	0.005	2.48	6.49	3.33
Bicarbonate (HCO3)	mg/L	5	13.2	6.2	18.5
Carbonate (CO3)	mg/L	5	<5.0	<5.0	<5.0
Chloride (Cl)	mg/L	0.5	74	91.9	94.5
Conductivity (EC)	uS/cm	0.2	693	719	686
Fluoride (F)	mg/L	0.05	<0.050	<0.050	<0.050
Hardness (as CaCO3)	mg/L	n/a	49.2	55.4	47.4
Hydroxide (OH)	mg/L	5	<5.0	<5.0	<5.0
Ion Balance	%	n/a	105	108	91.3
Nitrate and Nitrite (as N)	mg/L	0.006	32.6	29.4	26.3
Nitrate (as N)	mg/L	0.006	32.6 *	29.4 *	26.3
Nitrite (as N)	mg/L	0.002	<0.050	<0.050	<0.050
pH	pH	0.1	6.47	6.11	6.59
Orthophosphate-Dissolved (as P)	mg/L	0.001	9.66	10.3	9.16 *
Phosphorus (P)-Total Dissolved	mg/L	0.001	10.4	10.2	9.9
Phosphorus (P)-Total	mg/L	0.001	10.2	11.6	10.1
TDS (Calculated)	mg/L	n/a	400	392	381
Sulfate (SO4)	mg/L	0.05	39.2	33.6	41
Total Inorganic Carbon	mg/L	1	<1.0	<1.0	<1.0
Total Organic Carbon	mg/L	1	18.1	22.7	21.9
Fecal Coliforms	CFU/10 mL	1	78	62	154
Aluminum (Al)-Total	mg/L	0.003	0.047	-	-
Antimony (Sb)-Total	mg/L	0.00001	0.0031	-	-
Arsenic (As)-Total	mg/L	0.00005	0.000545	-	-
Barium (Ba)-Total	mg/L	0.0001	0.00282	-	-
Beryllium (Be)-Total	mg/L	0.000005	<0.0000050	-	-

Bismuth (Bi)-Total	mg/L	0.00005	0.00067	-	-
Boron (B)-Total	mg/L	0.005	0.259	-	-
Cadmium (Cd)-Total	mg/L	0.000005	0.0000402	-	-
Calcium (Ca)-Total	mg/L	0.05	17.5	-	-
Cesium (Cs)-Total	mg/L	0.000005	0.0000873	-	-
Chromium (Cr)-Total	mg/L	0.0005	<0.00050	-	-
Cobalt (Co)-Total	mg/L	0.00005	0.000715	-	-
Copper (Cu)-Total	mg/L	0.0005	0.0423	-	-
Gallium (Ga)-Total	mg/L	0.00005	<0.000050	-	-
Iron (Fe)-Total	mg/L	0.03	0.401	-	-
Lead (Pb)-Total	mg/L	0.00005	0.000351	-	-
Lithium (Li)-Total	mg/L	0.0002	0.473	-	-
Magnesium (Mg)-Total	mg/L	0.1	5.39	-	-
Manganese (Mn)-Total	mg/L	0.0002	0.134	-	-
Molybdenum (Mo)-Total	mg/L	0.00005	0.000933	-	-
Nickel (Ni)-Total	mg/L	0.0002	0.0148	-	-
Phosphorus (P)-Total	mg/L	0.3	10.9	-	-
Potassium (K)-Total	mg/L	2	38.9	-	-
Rhenium (Re)-Total	mg/L	0.000005	<0.0000050	-	-
Rubidium (Rb)-Total	mg/L	0.00002	0.0296	-	-
Selenium (Se)-Total	mg/L	0.0002	0.00039	-	-
Silicon (Si)-Total	mg/L	0.05	4.04	-	-
Silver (Ag)-Total	mg/L	0.000005	<0.0000050	-	-
Sodium (Na)-Total	mg/L	2	88.6	-	-
Strontium (Sr)-Total	mg/L	0.00005	0.0233	-	-
Tellurium (Te)-Total	mg/L	0.00001	<0.000010	-	-
Thallium (Tl)-Total	mg/L	0.000002	0.0000065	-	-
Thorium (Th)-Total	mg/L	0.000005	<0.0000050	-	-
Tin (Sn)-Total	mg/L	0.0002	0.00031	-	-
Titanium (Ti)-Total	mg/L	0.0002	<0.00020	-	-
Tungsten (W)-Total	mg/L	0.00001	0.000076	-	-
Uranium (U)-Total	mg/L	0.000002	0.0000266	-	-
Vanadium (V)-Total	mg/L	0.00005	0.00043	-	-
Yttrium (Y)-Total	mg/L	0.000005	0.00002	-	-
Zinc (Zn)-Total	mg/L	0.003	2	-	-
Zirconium (Zr)-Total	mg/L	0.00005	0.000097	-	-
Aluminum (Al)-Dissolved	mg/L	0.0002	0.0054	-	-
Antimony (Sb)-Dissolved	mg/L	0.000005	0.00326	-	-
Arsenic (As)-Dissolved	mg/L	0.00002	0.00103	-	-
Barium (Ba)-Dissolved	mg/L	0.00002	0.00145	-	-
Beryllium (Be)-Dissolved	mg/L	0.000002	<0.0000050	-	-
Bismuth (Bi)-Dissolved	mg/L	0.000001	0.000102	-	-
Boron (B)-Dissolved	mg/L	0.005	0.178	-	-
Cadmium (Cd)-Dissolved	mg/L	0.000005	0.0000278	-	-

Calcium (Ca)-Dissolved	mg/L	0.03	12.9	14.4 *	12
Cesium (Cs)-Dissolved	mg/L	0.000005	0.0000864	-	-
Chromium (Cr)-Dissolved	mg/L	0.00005	<0.00050	-	-
Cobalt (Co)-Dissolved	mg/L	0.000005	0.000961	-	-
Copper (Cu)-Dissolved	mg/L	0.00005	0.0292	-	-
Gallium (Ga)-Dissolved	mg/L	0.00005	<0.000050	-	-
Iron (Fe)-Dissolved	mg/L	0.01	0.047	-	-
Lead (Pb)-Dissolved	mg/L	0.000005	<0.000050	-	-
Lithium (Li)-Dissolved	mg/L	0.0002	0.396	-	-
Magnesium (Mg)-Dissolved	mg/L	0.03	4.13	4.72 *	4.23
Manganese (Mn)-Dissolved	mg/L	0.000005	0.102	-	-
Molybdenum (Mo)-Dissolved	mg/L	0.00001	0.0014	-	-
Nickel (Ni)-Dissolved	mg/L	0.00005	0.0189	-	-
Phosphorus (P)-Dissolved	mg/L	0.05	9.44	-	-
Potassium (K)-Dissolved	mg/L	0.05	35.8	33.4 *	27.4
Rhenium (Re)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Rubidium (Rb)-Dissolved	mg/L	0.000005	0.0285	-	-
Selenium (Se)-Dissolved	mg/L	0.00004	0.00037	-	-
Silicon (Si)-Dissolved	mg/L	0.05	4.73	-	-
Silver (Ag)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Sodium (Na)-Dissolved	mg/L	0.2	83.5	80.9 *	76.3
Strontium (Sr)-Dissolved	mg/L	0.00001	0.0171	-	-
Tellurium (Te)-Dissolved	mg/L	0.00001	<0.000010	-	-
Thallium (Tl)-Dissolved	mg/L	0.000001	0.0000046	-	-
Thorium (Th)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Tin (Sn)-Dissolved	mg/L	0.00001	<0.00020	-	-
Titanium (Ti)-Dissolved	mg/L	0.00005	<0.00020	-	-
Tungsten (W)-Dissolved	mg/L	0.00001	0.000148	-	-
Uranium (U)-Dissolved	mg/L	0.000001	0.000011	-	-
Vanadium (V)-Dissolved	mg/L	0.00001	0.000929	-	-
Yttrium (Y)-Dissolved	mg/L	0.000005	0.0000139	-	-
Zinc (Zn)-Dissolved	mg/L	0.0001	1.12	-	-
Zirconium (Zr)-Dissolved	mg/L	0.00001	<0.000050	-	-

Biochemical Oxygen Demand	mg/L	2	2.6	459	5.4
* = Result Qualified					

SWQ-01 Influent

ALS		Sample ID	SWQ-01 INFLUENT	JER-SWQ-01 INFLUENT	JER SWQ-01 INFLUENT
3/19/2012		ALS ID	L1109745-1	L1115782-6	L1119347-1
Multiple Work Orders		Date Sampled	2/1/2012 12:00:00 AM	2/17/2012 11:05:00 AM	2/29/2012 8:10:00 AM
Analyte	Units	LOR	Water	Water	Water
Hardness (as CaCO3)	mg/L	0.5	33.8	-	-
Temperature	Degree C	1	25	25	25
Total Suspended Solids	mg/L	3	412	580	247
Total Dissolved Solids	mg/L	10	384	480	360
Turbidity	NTU	0.1	153	218	123
Acidity (as CaCO3)	mg/L	5	51	16.2	15.9
Alkalinity, Total (as CaCO3)	mg/L	5	231 *	170	165
Ammonia, Total (as N)	mg/L	0.005	50	30.6	25.6
Bicarbonate (HCO3)	mg/L	5	282 *	208	202
Carbonate (CO3)	mg/L	5	<5.0 *	<5.0	<5.0
Chloride (Cl)	mg/L	0.5	60.5 *	118	84
Conductivity (EC)	uS/cm	0.2	812 *	887	730
Fluoride (F)	mg/L	0.05	<0.050	<0.050	0.219
Hardness (as CaCO3)	mg/L	n/a	33.8	34.9	34.9
Hydroxide (OH)	mg/L	5	<5.0 *	<5.0	<5.0
Ion Balance	%	n/a	118 *	114 *	102
Nitrate and Nitrite (as N)	mg/L	0.006	0.019	0.0273	0.0127
Nitrate (as N)	mg/L	0.006	<0.0063	<0.0063	<0.0063
Nitrite (as N)	mg/L	0.002	0.0185	0.023	0.0126
pH	pH	0.1	7.53 *	7.1	7.52
Orthophosphate-Dissolved (as P)	mg/L	0.001	8.26	9.55	7.66 *
Phosphorus (P)-Total Dissolved	mg/L	0.001	9.7	11.2	7.41 *
Phosphorus (P)-Total	mg/L	0.001	16.8	14.3	12.5
TDS (Calculated)	mg/L	n/a	305	378	314
Sulfate (SO4)	mg/L	0.05	5.97	15.6	21.5
Total Inorganic Carbon	mg/L	1	41.2	32	38.4
Total Organic Carbon	mg/L	1	191	234	105
Fecal Coliforms	CFU/10 0mL	1	7100000	380000	870000
Aluminum (Al)-Total	mg/L	0.003	2.72	-	-
Antimony (Sb)-Total	mg/L	0.00001	0.0094	-	-
Arsenic (As)-Total	mg/L	0.00005	0.00106	-	-

Barium (Ba)-Total	mg/L	0.0001	0.0456	-	-
Beryllium (Be)-Total	mg/L	0.000005	0.0000613	-	-
Bismuth (Bi)-Total	mg/L	0.00005	0.00517	-	-
Boron (B)-Total	mg/L	0.005	0.864	-	-
Cadmium (Cd)-Total	mg/L	0.000005	0.000622	-	-
Calcium (Ca)-Total	mg/L	0.05	13.2	-	-
Cesium (Cs)-Total	mg/L	0.000005	0.000143	-	-
Chromium (Cr)-Total	mg/L	0.0005	0.0132	-	-
Cobalt (Co)-Total	mg/L	0.00005	0.00151	-	-
Copper (Cu)-Total	mg/L	0.0005	0.885	-	-
Gallium (Ga)-Total	mg/L	0.00005	0.000514	-	-
Iron (Fe)-Total	mg/L	0.03	7.37	-	-
Lead (Pb)-Total	mg/L	0.00005	0.0127	-	-
Lithium (Li)-Total	mg/L	0.0002	0.186	-	-
Magnesium (Mg)-Total	mg/L	0.1	5.89	-	-
Manganese (Mn)-Total	mg/L	0.0002	0.0895	-	-
Molybdenum (Mo)-Total	mg/L	0.00005	0.00632	-	-
Nickel (Ni)-Total	mg/L	0.0002	0.0233	-	-
Phosphorus (P)-Total	mg/L	0.3	16.5	-	-
Potassium (K)-Total	mg/L	2	28.6	-	-
Rhenium (Re)-Total	mg/L	0.000005	<0.0000050	-	-
Rubidium (Rb)-Total	mg/L	0.00002	0.0243	-	-
Selenium (Se)-Total	mg/L	0.0002	0.00205	-	-
Silicon (Si)-Total	mg/L	0.05	4.24	-	-
Silver (Ag)-Total	mg/L	0.000005	0.000773	-	-
Sodium (Na)-Total	mg/L	2	60.6	-	-
Strontium (Sr)-Total	mg/L	0.00005	0.0253	-	-
Tellurium (Te)-Total	mg/L	0.00001	<0.000010	-	-
Thallium (Tl)-Total	mg/L	0.000002	0.0000224	-	-
Thorium (Th)-Total	mg/L	0.000005	0.0000345	-	-
Tin (Sn)-Total	mg/L	0.0002	0.00102	-	-
Titanium (Ti)-Total	mg/L	0.0002	0.0168	-	-
Tungsten (W)-Total	mg/L	0.00001	0.00238	-	-
Uranium (U)-Total	mg/L	0.000002	0.00149	-	-
Vanadium (V)-Total	mg/L	0.00005	0.00202	-	-
Yttrium (Y)-Total	mg/L	0.000005	0.00102	-	-
Zinc (Zn)-Total	mg/L	0.003	1.56	-	-
Zirconium (Zr)-Total	mg/L	0.00005	0.00126	-	-
Aluminum (Al)-Dissolved	mg/L	0.0002	0.0564	-	-
Antimony (Sb)-Dissolved	mg/L	0.000005	0.000408	-	-
Arsenic (As)-Dissolved	mg/L	0.00002	0.000442	-	-
Barium (Ba)-Dissolved	mg/L	0.00002	0.00229	-	-
Beryllium (Be)-Dissolved	mg/L	0.000002	<0.0000050	-	-
Bismuth (Bi)-Dissolved	mg/L	0.000001	0.000066	-	-
Boron (B)-Dissolved	mg/L	0.005	0.883	-	-
Cadmium (Cd)-Dissolved	mg/L	0.000005	0.0000305	-	-
Calcium (Ca)-	mg/L	0.03	7.22	7.65	8.03

Dissolved					
Cesium (Cs)-Dissolved	mg/L	0.000005	0.0000743	-	-
Chromium (Cr)-Dissolved	mg/L	0.00005	0.00117	-	-
Cobalt (Co)-Dissolved	mg/L	0.000005	0.000478	-	-
Copper (Cu)-Dissolved	mg/L	0.00005	0.0174	-	-
Gallium (Ga)-Dissolved	mg/L	0.00005	<0.000050	-	-
Iron (Fe)-Dissolved	mg/L	0.01	1.32	-	-
Lead (Pb)-Dissolved	mg/L	0.000005	0.00022	-	-
Lithium (Li)-Dissolved	mg/L	0.0002	0.189	-	-
Magnesium (Mg)-Dissolved	mg/L	0.03	3.83	3.83	3.61
Manganese (Mn)-Dissolved	mg/L	0.000005	0.0478	-	-
Molybdenum (Mo)-Dissolved	mg/L	0.00001	0.000407	-	-
Nickel (Ni)-Dissolved	mg/L	0.00005	0.0131	-	-
Phosphorus (P)-Dissolved	mg/L	0.05	11.1	-	-
Potassium (K)-Dissolved	mg/L	0.05	27.9	30.9	27.8
Rhenium (Re)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Rubidium (Rb)-Dissolved	mg/L	0.000005	0.0239	-	-
Selenium (Se)-Dissolved	mg/L	0.00004	0.00037	-	-
Silicon (Si)-Dissolved	mg/L	0.05	2.23	-	-
Silver (Ag)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Sodium (Na)-Dissolved	mg/L	0.2	61	100	69.6
Strontium (Sr)-Dissolved	mg/L	0.00001	0.0136	-	-
Tellurium (Te)-Dissolved	mg/L	0.00001	<0.000010	-	-
Thallium (Tl)-Dissolved	mg/L	0.000001	<0.0000020	-	-
Thorium (Th)-Dissolved	mg/L	0.000005	<0.0000050	-	-
Tin (Sn)-Dissolved	mg/L	0.00001	0.00065	-	-
Titanium (Ti)-Dissolved	mg/L	0.00005	0.00087	-	-
Tungsten (W)-Dissolved	mg/L	0.00001	0.000026	-	-
Uranium (U)-Dissolved	mg/L	0.000001	0.0000525	-	-
Vanadium (V)-Dissolved	mg/L	0.00001	0.00042	-	-
Yttrium (Y)-Dissolved	mg/L	0.000005	0.0000533	-	-
Zinc (Zn)-Dissolved	mg/L	0.0001	0.0457	-	-
Zirconium (Zr)-Dissolved	mg/L	0.00001	0.000838	-	-
Biochemical Oxygen Demand	mg/L	2	388	4.1	290
* = Result Qualified					

SWQ-12 Carat lake pump house

ALS		Sample ID	JER-AEM-12 (CARAT INTAKE)
3/19/2012		ALS ID	L1115782-5
Multiple Work Orders		Date Sampled	2/17/2012 11:05:00 AM
Analyte	Units	LOR	Water
Hardness (as CaCO3)	mg/L	0.5	6.1
Temperature	Degree C	1	25
Total Suspended Solids	mg/L	3	<3.0
Total Dissolved Solids	mg/L	10	<10
Turbidity	NTU	0.1	0.47
Acidity (as CaCO3)	mg/L	5	<5.0
Alkalinity, Total (as CaCO3)	mg/L	5	5.3 *
Ammonia, Total (as N)	mg/L	0.005	0.0175
Bicarbonate (HCO3)	mg/L	5	6.4 *
Carbonate (CO3)	mg/L	5	<5.0 *
Chloride (Cl)	mg/L	0.5	<0.50
Conductivity (EC)	uS/cm	0.2	17.1 *
Fluoride (F)	mg/L	0.05	<0.050
Hardness (as CaCO3)	mg/L	n/a	6.2
Hydroxide (OH)	mg/L	5	<5.0 *
Ion Balance	%	n/a	Low EC
Nitrate and Nitrite (as N)	mg/L	0.006	0.0271
Nitrate (as N)	mg/L	0.006	0.0271
Nitrite (as N)	mg/L	0.002	<0.0020
pH	pH	0.1	6.94 *
Orthophosphate-Dissolved (as P)	mg/L	0.001	<0.0010
Phosphorus (P)-Total Dissolved	mg/L	0.001	<0.0010
Phosphorus (P)-Total	mg/L	0.001	<0.0010
TDS (Calculated)	mg/L	n/a	7.1
Sulfate (SO4)	mg/L	0.05	0.909
Total Inorganic Carbon	mg/L	1	1.8
Total Organic Carbon	mg/L	1	3.9
Fecal Coliforms	CFU/100mL	1	<1
Mercury (Hg)-Total	mg/L	0.00005	<0.000050
Aluminum (Al)-Total	mg/L	0.0002	0.0156
Antimony (Sb)-Total	mg/L	0.000005	0.0000066
Arsenic (As)-Total	mg/L	0.00002	0.000183
Barium (Ba)-Total	mg/L	0.00002	0.00201
Beryllium (Be)-Total	mg/L	0.000002	0.0000029
Bismuth (Bi)-Total	mg/L	0.000001	<0.0000010
Boron (B)-Total	mg/L	0.005	<0.0050
Cadmium (Cd)-Total	mg/L	0.000005	<0.0000050
Calcium (Ca)-Total	mg/L	0.03	1.3
Cesium (Cs)-Total	mg/L	0.000005	<0.0000050
Chromium (Cr)-Total	mg/L	0.00005	0.000109
Cobalt (Co)-Total	mg/L	0.000005	0.0000415
Copper (Cu)-Total	mg/L	0.00005	0.00194

Gallium (Ga)-Total	mg/L	0.00005	<0.000050
Iron (Fe)-Total	mg/L	0.01	0.079
Lead (Pb)-Total	mg/L	0.000005	0.000265
Lithium (Li)-Total	mg/L	0.0002	0.00061
Magnesium (Mg)-Total	mg/L	0.03	0.697
Manganese (Mn)-Total	mg/L	0.000005	0.00641
Molybdenum (Mo)-Total	mg/L	0.00001	0.00006
Nickel (Ni)-Total	mg/L	0.00005	0.000793
Phosphorus (P)-Total	mg/L	0.05	<0.050
Potassium (K)-Total	mg/L	0.05	0.336
Rhenium (Re)-Total	mg/L	0.000005	<0.0000050
Rubidium (Rb)-Total	mg/L	0.000005	0.000882
Selenium (Se)-Total	mg/L	0.00004	<0.000040
Silicon (Si)-Total	mg/L	0.05	0.336
Silver (Ag)-Total	mg/L	0.000005	<0.0000050
Sodium (Na)-Total	mg/L	0.2	0.57
Strontium (Sr)-Total	mg/L	0.00001	0.00573
Tellurium (Te)-Total	mg/L	0.00001	<0.000010
Thallium (Tl)-Total	mg/L	0.000001	<0.0000010
Thorium (Th)-Total	mg/L	0.000005	0.0000129
Tin (Sn)-Total	mg/L	0.00001	<0.000010
Titanium (Ti)-Total	mg/L	0.00005	0.000067
Tungsten (W)-Total	mg/L	0.00001	<0.000010
Uranium (U)-Total	mg/L	0.000001	0.000174
Vanadium (V)-Total	mg/L	0.00001	0.000039
Yttrium (Y)-Total	mg/L	0.000005	0.0000776
Zinc (Zn)-Total	mg/L	0.0001	0.0187
Zirconium (Zr)-Total	mg/L	0.00001	0.000065
Aluminum (Al)-Dissolved	mg/L	0.0002	0.00923
Antimony (Sb)-Dissolved	mg/L	0.000005	0.0000063
Arsenic (As)-Dissolved	mg/L	0.00002	0.000165
Barium (Ba)-Dissolved	mg/L	0.00002	0.0019
Beryllium (Be)-Dissolved	mg/L	0.000002	0.0000022
Bismuth (Bi)-Dissolved	mg/L	0.000001	<0.0000010
Boron (B)-Dissolved	mg/L	0.005	0.0085
Cadmium (Cd)-Dissolved	mg/L	0.000005	<0.0000050
Calcium (Ca)-Dissolved	mg/L	0.03	1.31 *
Cesium (Cs)-Dissolved	mg/L	0.000005	<0.0000050
Chromium (Cr)-Dissolved	mg/L	0.00005	0.000125
Cobalt (Co)-Dissolved	mg/L	0.000005	0.0000284
Copper (Cu)-Dissolved	mg/L	0.00005	0.00148
Gallium (Ga)-Dissolved	mg/L	0.00005	<0.000050
Iron (Fe)-Dissolved	mg/L	0.01	0.014
Lead (Pb)-Dissolved	mg/L	0.000005	0.0000806
Lithium (Li)-Dissolved	mg/L	0.0002	0.00054
Magnesium (Mg)-Dissolved	mg/L	0.03	0.700 *
Manganese (Mn)-Dissolved	mg/L	0.000005	0.00465
Mercury (Hg)-Dissolved	mg/L	0.00005	<0.000050
Molybdenum (Mo)-Dissolved	mg/L	0.00001	0.000061
Nickel (Ni)-Dissolved	mg/L	0.00005	0.000673
Phosphorus (P)-Dissolved	mg/L	0.05	<0.050

Potassium (K)-Dissolved	mg/L	0.05	0.337 *
Rhenium (Re)-Dissolved	mg/L	0.000005	<0.0000050
Rubidium (Rb)-Dissolved	mg/L	0.000005	0.000794
Selenium (Se)-Dissolved	mg/L	0.00004	<0.000040
Silicon (Si)-Dissolved	mg/L	0.05	0.329
Silver (Ag)-Dissolved	mg/L	0.000005	<0.0000050
Sodium (Na)-Dissolved	mg/L	0.2	0.59 *
Strontium (Sr)-Dissolved	mg/L	0.00001	0.00565
Tellurium (Te)-Dissolved	mg/L	0.00001	<0.000010
Thallium (Tl)-Dissolved	mg/L	0.000001	<0.0000010
Thorium (Th)-Dissolved	mg/L	0.000005	0.000017
Tin (Sn)-Dissolved	mg/L	0.00001	<0.000010
Titanium (Ti)-Dissolved	mg/L	0.00005	<0.000050
Tungsten (W)-Dissolved	mg/L	0.00001	<0.000010
Uranium (U)-Dissolved	mg/L	0.000001	0.000152
Vanadium (V)-Dissolved	mg/L	0.00001	0.000021
Yttrium (Y)-Dissolved	mg/L	0.000005	0.0000642
Zinc (Zn)-Dissolved	mg/L	0.0001	0.0123
Zirconium (Zr)-Dissolved	mg/L	0.00001	0.000073
Biochemical Oxygen Demand	mg/L	2	<2.0
* = Result Qualified			

Dustfall water & air analysis

ALS		Sample ID	PKDF-E	PKDF-SE	PKDF-W	PKDF-BLANK
3/19/2012		ALS ID	L1115782-1	L1115782-2	L1115782-3	L1115782-4
Multiple Work Orders		Date Sampled	2/17/2012 1:12:00 PM	2/17/2012 1:18:00 PM	2/17/2012 1:25:00 PM	2/17/2012 1:25:00 PM
Analyte	Units	LOR	Dustfall/Air	Dustfall/Air	Dustfall/Air	Dustfall/Air
Total Dustfall (mg/100cm ² /30days)	mg	8	81	<8.0	<8.0	<8.0
Total Fixed Dustfall (mg/100cm ² /30days)	mg	5	68.6	<5.0	<5.0	<5.0
Aluminum (Al)-Total	mg/dm ² .day	0.000016	0.00106	0.000061	0.000045	0.000021
Antimony (Sb)-Total	mg/dm ² .day	0.0000016	<0.0000016	<0.0000017	<0.0000016	<0.0000016
Arsenic (As)-Total	mg/dm ² .day	0.0000016	<0.0000016	<0.0000017	<0.0000016	<0.0000016
Barium (Ba)-Total	mg/dm ² .day	0.0000008	0.0000973	0.0000063	0.00000321	<0.00000081
Beryllium (Be)-Total	mg/dm ² .day	0.0000008	<0.0000081	<0.0000084	<0.0000080	<0.0000081
Bismuth (Bi)-Total	mg/dm ² .day	0.0000008	<0.0000081	<0.0000084	<0.0000080	<0.0000081
Boron (B)-Total	mg/dm ² .day	0.00016	0.00042	<0.00017	<0.00016	<0.00016
Cadmium (Cd)-Total	mg/dm	0.00000	<0.0000008	0.00000149	<0.0000008	<0.0000008

	2.day	08	1		0	1
Calcium (Ca)-Total	mg/dm 2.day	0.00032	0.0118	0.00157	0.0013	<0.00032
Chromium (Cr)-Total	mg/dm 2.day	0.00000 8	0.000042	<0.0000084	<0.0000080	<0.0000081
Cobalt (Co)-Total	mg/dm 2.day	0.00000 16	0.0000066	<0.0000017	<0.0000016	<0.0000016
Copper (Cu)-Total	mg/dm 2.day	0.00000 16	0.0000334	0.0000109	0.0000125	0.0000041
Iron (Fe)-Total	mg/dm 2.day	0.00048	0.00364	<0.00050	<0.00048	<0.00048
Lead (Pb)-Total	mg/dm 2.day	0.00000 08	0.00000191	<0.0000008 4	<0.0000008 0	<0.0000008 1
Lithium (Li)-Total	mg/dm 2.day	0.00008	<0.000081	<0.000084	<0.000080	<0.000081
Magnesium (Mg)-Total	mg/dm 2.day	0.00008	0.0141	0.000748	0.000409	0.000133
Manganese (Mn)-Total	mg/dm 2.day	0.00000 08	0.0000645	0.00000705	0.00000528	<0.0000008 1
Molybdenum (Mo)- Total	mg/dm 2.day	0.00000 08	<0.0000008 1	<0.0000008 4	<0.0000008 0	<0.0000008 1
Nickel (Ni)-Total	mg/dm 2.day	0.00000 8	0.000123	<0.0000084	<0.0000080	<0.0000081
Phosphorus (P)-Total	mg/dm 2.day	0.0048	<0.0049	<0.0050	<0.0048	<0.0048
Potassium (K)-Total	mg/dm 2.day	0.0008	<0.00081	<0.00084	<0.00080	<0.00081
Selenium (Se)-Total	mg/dm 2.day	0.00001 6	<0.000016	<0.000017	<0.000016	<0.000016
Silicon (Si)-Total	mg/dm 2.day	0.0008	0.0182	<0.00084	<0.00080	<0.00081
Silver (Ag)-Total	mg/dm 2.day	0.00000 016	<0.0000001 6	<0.0000001 7	<0.0000001 6	<0.0000001 6
Sodium (Na)-Total	mg/dm 2.day	0.0008	0.00152	0.00085	0.00111	<0.00081
Strontium (Sr)-Total	mg/dm 2.day	0.00000 16	0.0000609	0.0000075	0.0000065	0.0000019
Thallium (Tl)-Total	mg/dm 2.day	0.00000 16	<0.0000016	<0.0000017	<0.0000016	<0.0000016
Tin (Sn)-Total	mg/dm 2.day	0.00000 16	<0.0000016	<0.0000017	<0.0000016	<0.0000016
Titanium (Ti)-Total	mg/dm 2.day	0.00016	<0.00016	<0.00017	<0.00016	<0.00016
Uranium (U)-Total	mg/dm 2.day	0.00000 016	0.00000148	<0.0000001 7	<0.0000001 6	<0.0000001 6
Vanadium (V)-Total	mg/dm 2.day	0.00001 6	<0.000016	<0.000017	<0.000016	<0.000016
Zinc (Zn)-Total	mg/dm 2.day	0.00001 6	0.00003	0.000029	0.000023	0.000017
* = Result Qualified						

On site drinking water

ALS		Sample ID	BEFORE FILTER	MEN'S BATHROOM	COFFEE STATION	KITCHEN	F-WING BATHROOM
3/19/2012		ALS ID	L1115782-8	L1115782-9	L1115782-10	L1115782-11	L1115782-12
Multiple Work Orders		Date Sampled	2/17/2012 9:45:00 AM	2/17/2012 9:45:00 AM	2/17/2012 9:45:00 AM	2/17/2012 9:45:00 AM	2/17/2012 9:45:00 AM
Analyte	Units	LOR	Water	Water	Water	Water	Water
Escherichia Coli	MPN/100m L	1	<1	<1	<1	<1	<1
Total Coliforms	MPN/100m L	1	<1	<1	<1	<1	<1
* = Result Qualified							