

APPENDIX 2
2009 WATER USE RECORD

2009 Water Use Record
Yat Lake Camp and Lac Cinquante Drill Site

Date	Camp Water Usage (cu metres/250 gal tank)	Drill Water Usage (cu metres)	Total Daily Usage (cu metres)
31-Jul	1		1
1-Aug			
2-Aug	1		1
3-Aug	1		1
4-Aug	1		1
5-Aug	1		1
6-Aug	1		1
7-Aug	1		1
8-Aug	1	11.2	12.2
9-Aug	1	27.2	28.2
10-Aug	1	30.4	31.4
11-Aug	1	36.8	37.8
12-Aug	1	14.4	15.4
13-Aug	1	31.2	32.2
14-Aug	1	32.8	33.8
15-Aug	1	32.8	33.8
16-Aug	1	33.6	34.6
17-Aug	1	30.4	31.4
18-Aug	1	32	33
19-Aug	1	14.4	15.4
20-Aug	1	38.4	39.4
21-Aug	1	25.6	26.6
22-Aug	1	32.8	33.8
23-Aug	1	17.6	18.6
24-Aug	1	27.2	28.2
25-Aug	1	19.2	20.2
26-Aug	1	25.6	26.6
27-Aug	1	26.4	27.4
28-Aug	1	14.4	15.4
29-Aug	1	25.6	26.6
30-Aug	1	20.8	21.8
31-Aug	1	26.4	27.4
1-Sep	1		1
2-Sep	1		1
3-Sep	1		1
4-Sep	1		1
5-Sep			
6-Sep	1		1

7-Sep			
8-Sep	1		1
9-Sep			
10-Sep			
11-Sep	Camp Closure		
Total			664.2

APPENDIX 3

2009 SPILL REPORTS AND WATER TEST

Kivalliq Energy Corporation
Internal Report

Fuel Spill Report - August 2, 2009

The following information documents circumstances and events leading to and resulting from a fuel spill incident that occurred on Kivalliq Energy Corporation's Angilak Property at approximately 5:00 pm on August 2, 2009.

The incident involved a single 205 litre drum of diesel fuel. The drum was one of two drums being airlifted beneath a Bell 206 Longranger L4 enroute to the Angilak core shack from the Angilak camp site. At a distance of approximately 9.4 kilometers east of the Angilak camp site and at an altitude of approximately 150 metres a single drum fell loose from its barrel sling lifting harness. The drum burst open upon impact with the ground. A complete loss of fuel resulted. An apparent fuel spray associated with the impact site and oriented somewhat in the drum travel direction measures approximately 10 to 15 metres to the north, east and south.

A recovery / cleanup crew was dispatched to the site immediately after the incident occurred. Upon inspection, it was noted that entire contents of the 205 litre container had been lost into a fragmented rock overburden horizon. There was no ponded fuel at the crash site for recovery crews to clean. Absorbent materials were used to wipe rocks and vegetation around the spill site.

The impact site is at 509224mE 6937309mN 14V Nad 83 on the NTS sheet 65J/10. Ground cover in this area is a clay rich glacial till with segregated patches of angular disaggregated bedrock fragments. Surface water was absent. Vegetation in the area is mosses, grasses and stunted shrub brush. A small pond lies 41 metres north and 46 metres west of the impact site. The area is relatively flat with low relief. Drainage is to the east. The impact site would be considered down slope from the nearby pond and is removed from an associated outflow by about 70 metres. A second small pond lies approximately 210 metres down slope from the impact site. Flowing water emanating from the pond was not noted.

The site will be monitored regularly over the next month to assess the environmental impact of this event.

August 6, 2009

Andrew Berry
Project Manager
Kivalliq Energy Corporation



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 Aug-03-2009		REPORT TIME 5:00pm		<input type="checkbox"/> ORIGINAL SPILL REPORT, OR <input checked="" type="checkbox"/> UPDATE # 09 376-1 TO THE ORIGINAL SPILL REPORT	REPORT NUMBER _____
	B	OCCURRENCE DATE: MONTH – DAY – YEAR Aug-02-2009		OCCURRENCE TIME 5:00pm		
C		LAND USE PERMIT NUMBER (IF APPLICABLE) N2008C0026		WATER LICENCE NUMBER (IF APPLICABLE) 2BE-ANG0813		
	D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Yathkyed Lake area NU			REGION <input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN	
E		LATITUDE DEGREES 62 MINUTES 34 SECONDS 00			LONGITUDE DEGREES 98 MINUTES 49 SECONDS 14	
	F	RESPONSIBLE PARTY OR VESSEL NAME Kivalliq Energy Corp		RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 1440 625 Howes St. Vancouver BC V6C 2T6		
G		ANY CONTRACTOR INVOLVED Great Slave Helicopters		CONTRACTOR ADDRESS OR OFFICE LOCATION Bag 7500 106 Dickens St. Yellowknife NT X1A 2R3		
	H	PRODUCT SPILLED P50 Diesel Fuel		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES 205L		U.N. NUMBER 1202
I		SECOND PRODUCT SPILLED (IF APPLICABLE)		QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES		U.N. NUMBER
	J	SPILL SOURCE Drum		SPILL CAUSE Fall		AREA OF CONTAMINATION IN SQUARE METRES 200
K		FACTORS AFFECTING SPILL OR RECOVERY Remote location		DESCRIBE ANY ASSISTANCE REQUIRED none		HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT none
	L	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS The incident involved a single 205 litre drum of diesel fuel. The drum was one of two drums being airlifted beneath a Bell 206 Longranger L4 from the Angilak camp site. At a distance of 9.4 kilometers east of the Angilak camp site and at an altitude of approximately 150 metres a single drum fell loose from its barrel sling lifting harness. The drum burst open upon impact with the ground. A recovery / clean up crew was dispatched to the site immediately after the incident occurred. Upon inspection, it was noted that entire contents of the 205 litre container had been lost into a fragmented rock ground cover. There was no ponded fuel at the crash site for recovery crews to clean. There is no standing ground water at the spill site. Absorbent materials were used to wipe rocks and vegetation around the spill site.				
M		REPORTED TO SPILL LINE BY Andrew Berry	POSITION Project Manager	EMPLOYER Kivalliq Energy	LOCATION CALLING FROM Angilak Camp	TELEPHONE 604-628-5262
	N	ANY ALTERNATE CONTACT Jeff Ward	POSITION VP Exploration	EMPLOYER Kivalliq Energy	ALTERNATE CONTACT Vancouver BC	ALTERNATE TELEPHONE 604-763-8723
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 <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC			SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN		FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS		
LEAD AGENCY						
FIRST SUPPORT AGENCY						
SECOND SUPPORT AGENCY						
THIRD SUPPORT AGENCY						



Environmental Division

Certificate of Analysis

CASH CLIENTS CANADIAN EDMONTON

ATTN: ANDREW BERRY

1440-625 HOWE STREET

VANCOUVER BC V6C 2T6

Report Date: 22-SEP-09 09:52 (MT)

Version: FINAL

Lab Work Order #: **L817857**

Date Received: **14-SEP-09**

Project P.O. #:

Job Reference:

Legal Site Desc: ANGILAK PROJECT 2009 WATER TEST

CofC Numbers: 08-011773

Other Information:

Comments:

NICOLE THIBAUT
Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817857-1	ANG 1							
Sampled By: NBRIDGE on 08-SEP-09 @ 11:10								
Matrix: WATER								
Miscellaneous Parameters								
Oil and Grease		<1.0		1.0	mg/L		19-SEP-09	R950838
L817857-2	ANG2							
Sampled By: NBRIDGE on 08-SEP-09 @ 11:10								
Matrix: WATER								
F2, F3, F4								
F2 (>C10-C16)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
F3 (C16-C34)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
F4 (C34-C50)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
L817857-3	ANG3							
Sampled By: NBRIDGE on 08-SEP-09 @ 11:10								
Matrix: WATER								
F2, F3, F4								
F2 (>C10-C16)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
F3 (C16-C34)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
F4 (C34-C50)		<0.25		0.25	mg/L	17-SEP-09	17-SEP-09	R951433
L817857-4	ANG4							
Sampled By: NBRIDGE on 08-SEP-09 @ 11:10								
Matrix: WATER								
Total Metals - CCME								
Mercury (Hg) - Total								
Mercury (Hg)-Total		<0.00010		0.00010	mg/L		18-SEP-09	R949764
Total Metals in Water by ICPMS (Low)								
Aluminum (Al)-Total		0.151		0.010	mg/L		17-SEP-09	R947666
Antimony (Sb)-Total		<0.00040		0.00040	mg/L		17-SEP-09	R947666
Arsenic (As)-Total		<0.00040		0.00040	mg/L		17-SEP-09	R947666
Barium (Ba)-Total		0.102		0.0030	mg/L		17-SEP-09	R947666
Beryllium (Be)-Total		<0.0010		0.0010	mg/L		17-SEP-09	R947666
Boron (B)-Total		<0.050		0.050	mg/L		17-SEP-09	R947666
Cadmium (Cd)-Total		<0.000050		0.000050	mg/L		17-SEP-09	R947666
Chromium (Cr)-Total		<0.0050		0.0050	mg/L		17-SEP-09	R947666
Cobalt (Co)-Total		<0.0020		0.0020	mg/L		17-SEP-09	R947666
Copper (Cu)-Total		0.0015		0.0010	mg/L		17-SEP-09	R947666
Lead (Pb)-Total		0.00029		0.00010	mg/L		17-SEP-09	R947666
Lithium (Li)-Total		<0.010		0.010	mg/L		17-SEP-09	R947666
Molybdenum (Mo)-Total		<0.0050		0.0050	mg/L		17-SEP-09	R947666
Nickel (Ni)-Total		<0.0020		0.0020	mg/L		17-SEP-09	R947666
Selenium (Se)-Total		<0.00040		0.00040	mg/L		17-SEP-09	R947666
Silver (Ag)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947666
Thallium (Tl)-Total		<0.00010		0.00010	mg/L		17-SEP-09	R947666
Tin (Sn)-Total		<0.050		0.050	mg/L		17-SEP-09	R947666
Titanium (Ti)-Total		0.0040		0.0010	mg/L		17-SEP-09	R947666
Uranium (U)-Total		0.00033		0.00010	mg/L		17-SEP-09	R947666
Vanadium (V)-Total		<0.0010		0.0010	mg/L		17-SEP-09	R947666
Zinc (Zn)-Total		0.0046		0.0040	mg/L		17-SEP-09	R947666
Total Metals in Water by ICPOES (Low)								
Calcium (Ca)-Total		6.37		0.50	mg/L		18-SEP-09	R947036
Iron (Fe)-Total		0.787		0.010	mg/L		18-SEP-09	R947036
Magnesium (Mg)-Total		4.08		0.10	mg/L		18-SEP-09	R947036

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L817857-4 ANG4 Sampled By: NBRIDGE on 08-SEP-09 @ 11:10 Matrix: WATER Total Metals in Water by ICPOES (Low) Manganese (Mn)-Total Potassium (K)-Total Sodium (Na)-Total	 0.0259 0.32 1.5		 0.0020 0.10 1.0	 mg/L mg/L mg/L		 18-SEP-09 18-SEP-09 18-SEP-09	 R947036 R947036 R947036
L817857-5 ANG5 Sampled By: NBRIDGE on 08-SEP-09 @ 11:10 Matrix: WATER BTEX and F1 (C6-C10) Benzene Toluene EthylBenzene Xylenes F1(C6-C10) F1-BTEX	 <0.00050 <0.00050 <0.00050 <0.00050 <0.10 <0.10		 0.00050 0.00050 0.00050 0.00050 0.10 0.10	 mg/L mg/L mg/L mg/L mg/L mg/L	 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09	 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09 16-SEP-09	 R942203 R942203 R942203 R942203 R942203 R942203

* Refer to Referenced Information for Qualifiers (if any) and Methodology.