

**ConocoPhillips Canada**  
401 - 9th Avenue S.W.  
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Calgary, Alberta T2P 2H7  
(403) 233-4000

November 27, 2002

Executive Assistant  
Northwest Territories Water Board  
PO Box 1500  
2<sup>nd</sup> Floor, Goga Cho Building  
Yellowknife, NT  
XIA 2R3

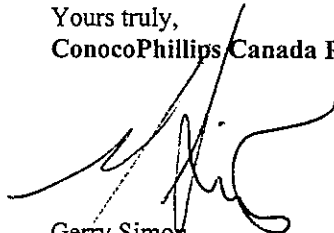
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Dear Madam:

**Final/Annual Report for 2002 - NWT Water Board Licence Number N7L1-1779**

Please find under this cover two (2) copies of the Final Report for the year 2002 as stipulated in Part B: Item 1 of Licence N7L1-1779. The enclosed report is also intended to be the annual - and final - report required under the *Northwest Territories Waters Regulations*. We trust that the enclosed will satisfy both requirements. If you have any questions or concerns, please contact the undersigned at the coordinates below.

Yours truly,  
ConocoPhillips Canada Resources Corp.



Gerry Simon  
Coordinator - Regulatory and Benefits  
Tel: (403) 233-3874  
Fax: (403) 233-5159  
Email: [Gerry.Simon@conocophillips.com](mailto:Gerry.Simon@conocophillips.com)

*Enclosure*

cc. *Water Resources Officer, INAC (Inuvik)*



1  
2  
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**FINAL REPORT**  
**TO**  
**NORTHWEST TERRITORIES WATER BOARD**

**LICENCE N7L1 – 1779**  
**(Type “B” – Expires December 31, 2002)**

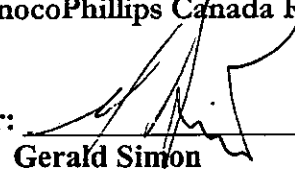
**Licensee:**  
**ConocoPhillips Canada Resources Corp.**  
**(formerly Conoco Canada Resources Limited)**

**Prepared by**  
**Gerald F. Simon**  
**Coordinator – Regulatory and Benefits**

**November, 2002**



**Signed this 27<sup>th</sup> day of November, 2002**  
**ConocoPhillips Canada Resources Corp.**

**Per:**   
**Gerald Simon**  
**Coordinator – Regulatory and Benefits**



## Contents

1. Water Usage and Waste Disposal for 2002
2. Surveillance Network Program Sampling Results for 2002
3. Summary of Modifications
4. Spills and Unauthorized Discharges for 2002

## Water Usage and Waste Disposal for 2002

Total quantity of water obtained from all sources in 2002\*

**41,837.50 cubic meters**

Total quantity of Waste (Sewage) discharged in 2002\*

**6157.5 cubic meters**

\* See following monthly reports for details

WESTERNGECO 779

WATER USED FROM LAKES

WATER REGISTER

PARSONS LAKE 3D

JANUARY 1-31 2002

N7L1-1779

TUKTOYAKTUK  
SEWAGE DISPOSAL FACILITIES  
324 cubic meters

TUTTU CAMP	JANUARY 5-31	TOTAL	LAKE #
DAY TOTAL	13.5 cu    24 days	324 cubic meters	A66

AMARUQ CAMP	JANUARY 16-31		
DAY TOTAL	25 cu    25 days	625 cubic meters	A66

625 cubic meters

LAKE #	CUBIC METERS
--------	--------------

A-57	675
C-09	360
C-10	468
C-12	936
A-132	630
C-13	918
C-14	882
C-64	414
C-01	882
C-54	810

3000-15-CM  
2000-9- CM



WESTERNGECO 779

WATER USED FROM LAKES

WATER REGISTER

PARSONS LAKE 3D

FEBRUARY 1-28-02

N7L1-1779

AMARUQ CAMP

FEBRUARY 1-28-2002

TOTAL

TUKTOYAKTUK

DAY TOTAL

25 cu 28 days

700 cubic meters

SEWAGE DISPOSAL FACILITIES

700 cubic meters

WEATHERHAVEN CAMP

FEBRUARY 5-28-2002

TOTAL

DAY TOTAL

23 cu 23 days

529 cubic meters

529 cubic meters

TUTTU CAMP

FEBRUARY 1-5-2002

TOTAL

DAY TOTAL

13.5 cu 5 days

67.5 cubic meters

67.5 cubic meters

LAKES #

CUBIC METERS

ROAD MAINTENANCE

C-15

909

CRK-1

810

A-60

387

B-26

360

C-11

810

B-33

900

A-134

927

B-53

680

A-64

180

B-41

240

A-61

882

B-18

180

A-74

720

A-153

150

C-105

630

A-57

570

A-1480

540

A-66

75

A-66

720 camps 1229 total (1949)

A-134

90

C-106

495

A-74

95

C-107

405

A-151

220

C-108

540

A-161

120

C-109

540

A-169

120

C-110

360

A-61

270

A-142

810

C-112

360

C-113

675

C-00

360

C-114

270

A-72

540

C-115

585

C-116

405

A-144

990

A-147

360

A-146

315

A-148

675

C-118

495

C-119

720

C-120

270

C-121

315

C-122

180

PARSONS LAKE 3D

MARCH 1-31-2002

N7L1-1779

				TUKTOYAKTUK SEWAGE DISPOSAL FACILITIES	
AMARUQ CAMP	MARCH 1-31-2002		TOTAL	LAKE #	
DAY TOTAL	24 cubic meters	31 days	744 cubic meters	A66	744 cubic meters
WEATHERHAVEN CAMP	MARCH 1-31-2002		TOTAL		
DAY TOTAL	48 cubic meters	31 days	1488 cubic meters	A66	1488 cubic meters

TUTTU CAMP TOTAL  
DAY TOTAL

LAKES #	CUBIC METERS	ROAD MAINTENANCE		
C-15				
CRK-1				
A-60	135	B-26	60	
C-11	230	B-33	135	
A-134	105	B-53	180	
A-64		B-41	200	
A-61		B-18	420	
A-74		A-153	120	
C-105		A-57	225	
A-1480		A-66	660	camps ( 2232) total 2892
A-66	300	A-134	180	
C-106		A-74		
C-107		B-1	120	
C-108		A-161		
C-109		A-169		
C-110		A-61	660	
A-142				3000-15 CU
C-112				2000-9-CU
C-113				
C-00	120			
C-114				
A-72	135			
C-115				
C-116				
A-144	370			
A-147				
A-146				
A-148	330			
C-118				
C-119				
C-120				
C-121	285			
C-122				
A-143	225			

WESTERNGECO  
779

WATER USED FROM LAKES

WATER REGISTER  
N7L1-1779

PARSONS LAKE 3D

APRIL 1-31-2002

			TOTAL	LAKE #	TUKTOYAKTUK SEWAGE DISPOSAL FACILITIES
AMARUQ CAMP	APRIL 1-26-2002				
DAY TOTAL	24 cu	26 days	624 cubic meters	A66	624 cubic meters
WEATHERHAVEN CAMP	APRIL 1-22-2002				
DAY TOTAL	48 cu	22 days	1056 cubic meters	A66	1056 cubic meters

LAKES  
#

CUBIC METERS

ROAD MAINTENANCE

C-15

CRK-1

A-60

B-26

150

C-11

B-33

A-134

B-53

A-64

B-41

420

A-61

B-18

A-74

A-153

150

C-105

A-57

A-1480

A-66

A-66

345

Camps 1680  
Total 2025

A-134

C-106

A-74

C-107

B-1

195

C-108

A-161

C-109

A-169

C-110

A-61

A-142

C-112

C-113

TOTALS

IN CUBIC METERS

C-00

C-114

ROADS

CAMPS

TOTALS

A-72

C-115

DECEMBER

10982

C-116

A-144

JANUARY

6975

949

7924

A-147

A-146

FEBUARY

22250

1296.5

23546.5

A-148

C-118

MARCH

5195

2232

7427

C-119

C-120

APRIL

1260

1680

2940

C-121

C-122

TOTALS

46,662

6,157.50

41,837.50

A-143

## Surveillance Network Program Sampling Results for 2002

Table 1: Weatherhaven - Treatment Plant Waste Water Sample Results

Licence: Conoco  
 Licence number: N7L1-1779  
 Station number: 1779-1

Current as of 2:00pm, 24-April-2002

Test	Chlorine residual	Chlorine total	pH	TSS	Ammonia-Nitrogen	BOD	Total Phosphorus	Faecal Coliform	Oil and Grease
Units	mg/l	mg/l	pH	mg/l	mg/l	mg/l	mg/l	CFU/dL	mg/l
Detection limit	0.01	0.01	0.05	3	0.005	2	0.004	1	0.2
Licence maximums	NLL	NLL	6.0 to 9.0	70	NLL	70	NLL	10,000	5.0

Date/Time                      Laboratory  
 Sampled                      Id #    Sample

**Weatherhaven**

7-Feb-02	220308	1 F	0.10	0.10	7.60	41	8.900	36	1.460	12,000,000	3.3
9:50	220309	2 F	<0.01	0.14	7.54	38	8.870	25	1.670	20,000,000	3.4
Average			<0.06	0.12	7.57	40	8.885	31	1.565	16,000,000	3.4
8-Feb-02	220316	1 P	<0.01	<0.01	7.90	15	9.900	33	1.530	10,000,000	4.7
9:20	220317	2 P	0.05	0.05	7.84	14	8.900	33	1.560	15,000,000	5.0
Average			0.05	0.05	7.87	15	9.400	33	1.545	12,500,000	4.9
9-Feb-02	220324	1 P	0.07	0.20	7.79	22	18.300	41	2.910	30,000,000	3.8
8:25	220325	2 P	0.08	0.18	7.74	22	17.800	35	2.780	39,000,000	3.5
Average			0.08	0.19	7.77	22	18.050	38	2.845	34,500,000	3.7
10-Feb-02	220330	1 P	<0.01	0.08	7.65	28	25.300	36	3.820	45,000,000	4.6
10:40	220331	2 P	<0.01	0.08	7.63	24	25.600	37	3.740	46,000,000	4.7
Average			<0.01	0.08	7.64	26	25.450	37	3.780	45,500,000	4.7
13-Feb-02	220332	1 P	0.04	0.07	7.70	18	35.400	<2	4.540	90,000	2.0
8:10	220333	2 P	<0.01	0.07	6.80	15	36.900	<2	5.020	210,000	3.4
Average			<0.03	0.07	7.25	17	36.150	<2	4.780	150,000	2.7
14-Feb-02	220454	1 P	0.01	0.08	8.16	13	45.300	11	6.480	200,000	3.4
5:55	220455	2 P	0.01	0.16	8.16	11	39.200	11	6.060	230,000 NA	
Average			0.01	0.12	8.16	12	42.250	11	6.270	215,000	3.4
15-Feb-02	220463	1 P	0.01	0.10	8.11	18	51.100	16	7.220	1,030,000	3.8
9:00	220464	2 P	0.01	0.04	8.11	20	46.200	17	7.190	1,200,000	3.8
Average			0.01	0.07	8.11	19	48.650	17	7.205	1,115,000	3.8

17-Feb-02	220465	1 P	0.01	0.06	8.16	23	81.600	18	9.420	1,970,000	1.8	
	9:00	220466	2 P	0.01	0.01	8.15	22	82.800	18	9.380	1,670,000	3.9
		Average		0.01	0.04	8.16	23	82.200	18	9.400	1,820,000	2.9
18-Feb-02	220471	1 P	<0.01	0.10	8.27	34	92.300	45	10.200	4,400,000	3.6	
	9:20	220472	2 P	<0.01	0.09	8.30	27	102.000	42	10.200	4,300,000	3.7
		Average		<0.01	0.10	8.29	31	97.150	44	10.200	4,350,000	3.7
19-Feb-02	220473	1 P	<0.01	0.05	8.23	37	108.900	29	10.500	2,900,000	3.0	
	9:35	220474	2 P	<0.01	<0.01	8.19	32	91.600	29	10.400	4,000,000	1.8
		Average		<0.01	<0.03	8.21	35	100.250	29	10.450	3,450,000	2.4
20-Feb-02	220489	1 P	0.04	0.10	8.27	22	99.100	16	12.100	370,000	0.2	
	10:20	220490	2 P	0.05	0.07	8.22	17	89.100	18	11.900	280,000	0.2
		Average		0.05	0.09	8.25	20	94.100	17	12.000	325,000	0.2
21-Feb-02	220536	1 P	0.01	0.04	8.20	47	95.900	20	13.100	150,000	1.9	
	10:05	220537	2 P	0.01	0.06	8.20	39	92.500	23	13.200	220,000	0.1
		Average		0.01	0.05	8.20	43	94.200	22	13.150	185,000	1.0
22-Feb-02	220558	1 P	0.01	0.01	8.30	20	96.700	22	13.000	90,000	3.8	
	8:35	220559	2 P	0.01	0.01	8.30	22	88.800	17	12.800	140,000	3.8
		Average		0.01	0.01	8.30	21	92.750	20	12.900	115,000	3.8
24-Feb-02	220562	1 P	0.01	0.06	8.30	28	99.100	10	14.100	210	2.5	
	8:45	220563	2 P	0.01	0.06	8.40	28	112.000	10	14.300	190	2.2
		Average		0.01	0.06	8.35	28	105.550	10	14.200	200	2.4
25-Feb-02	220566	1 P	<0.001	0.18	8.30	29	98.300	35	14.300	11,000	1.8	
	6:25	220567	2 P	<0.01	0.17	8.20	26	111.000	29	14.600	15,000	1.2
		Average		<0.01	0.18	8.25	28	104.650	32	14.450	13,000	1.5
26-Feb-02	220605	1 P			8.20	44	122.400	36	14.600	11,200	2.6	
	7:40	220606	2 P	0.03	0.16	8.20	44	108.300	38	14.100	13,200	2.6
		Average		0.03	0.16	8.20	44	115.350	37	14.350	12,200	2.6
27-Feb-02	220636	1 P	0.09	0.16	8.10	41	128.500	36	14.900	340	2.6	
	7:25	220637	2 P	0.05	0.16	8.10	36	92.500	37	14.400	100	2.0
		Average		0.07	0.16	8.10	39	110.500	37	14.650	220	2.3
28-Feb-02	220708	1 P	0.15	0.22	8.10	51	92.300	44	15.300	4,400	2.3	
	9:25	220709	2 P	0.01	0.18	8.00	55	108.000	42	15.200	6,800	2.1
		Average		0.08	0.20	8.05	53	100.150	43	15.250	5,600	2.2
8-Mar-02	220818	1 P	0.13	0.16	8.07	47	107.600	36	16.200	5,000	3.7	
	8:25	220819	2 P	0.08	0.14	8.09	47	114.900	34	16.600	4,200	3.0
		Average		0.11	0.15	8.08	47	111.250	35	16.400	4,600	3.4

10-Mar-02	220823	1 P	0.13	0.23	8.16	63	116.700	41	17.700	97,000	5.5	
	8:50	220824	2 P	0.04	0.10	8.16	52	138.000	39	17.800	107,000	5.8
		Average	0.09	0.17	8.16	58	127.350	40	17.750	102,000	5.7	
11-Mar-02	220837	1 P	0.04	0.11	8.11	60	132.100 NA		17.500	17,000	5.0	
	9:10	220838	2 P	0.04	0.09	8.12	65	123.600 NA		17.900	77,000	4.1
		Average	0.04	0.10	8.12	63	127.850 NA		17.700	47,000	4.6	
12-Mar-02	220860	1 P	0.09	0.14	8.19	60	157.000	62	17.900	90,000	2.4	
	6:55	220861	2 P	0.12	0.13	8.23	66	159.000	55	18.300	130,000	3.0
		Average	0.11	0.14	8.21	63	158.000	58	18.100	110,000	2.7	
13-Mar-02	220866	1 P	0.00	0.10	8.18	63	143.700	43	17.500	45,000	3.1	
	7:40	220867	2 P	0.13	0.20	8.31	70	144.500	50	17.800	68,000	2.5
		Average	0.07	0.15	8.25	67	144.100	47	17.650	56,500	2.8	
14-Mar-02	220883	1 P	0.09	0.22	8.14	84	121.000	85	16.700	171,000	4.1	
	11:30	220884	2 P	0.07	0.17	8.05	100	120.000	81	16.000	166,000	4.4
		Average	0.08	0.20	8.10	92	120.500	83	16.350	168,500	4.3	
15-Mar-02	220890	1 P	0.04	0.08	7.90	89	123.300	85	18.000	42,000	2.4	
	6:20	220891	2 P	0.00	0.10	8.11	97	122.600	74	16.800	353,000	2.5
		Average	0.02	0.09	8.01	93	122.950	79	17.400	197,500	2.5	
17-Mar-02	220904	1 P	0.04	0.14	7.84	68	87.100	95	15.800	42,000	0.1	
	8:15	220905	2 P	0.04	0.11	7.79	73	90.500	93	15.300	40,000	0.0
		Average	0.04	0.13	7.82	71	88.800	94	15.550	41,000	0.1	
18-Mar-02	220908	1 P	0.00	0.00	7.64	73	72.400	76	15.500	20,000	3.6	
	5:50	220909	2 P	0.05	0.09	7.80	63	66.700	58	14.900	17,000	3.3
		Average	0.03	0.05	7.72	68	69.550	67	15.200	18,500	3.5	
19-Mar-02	220914	1 P	0.05	0.18	7.38	69	67.700	62	15.160	53,000	3.3	
	6:20	220915	2 P	0.08	0.12	7.41	84	69.100	52	15.400	18,000	4.0
		Average	0.07	0.15	7.40	77	68.400	57	15.280	35,500	3.7	
20-Mar-02	220949	1 P	0.09	0.12	7.26	74	50.400	57	17.400	64,000	1.9	
	6:10	220950	2 P	0.04	0.10	7.24	88	46.000	52	17.700	36,000	4.1
		Average	0.07	0.11	7.25	81	48.200	55	17.550	50,000	3.0	
21-Mar-02	220993	1 P	0.12	0.20	7.85	128	48.300	88	19.800	281,000	1.3	
	6:55	220994	2 P	0.11	0.21	7.97	122	45.800	80	19.700	114,000	1.8
		Average	0.12	0.21	7.91	125	47.050	84	19.750	197,500	1.6	
22-Mar-02	220999	1 P	0.09	0.13	7.24	173	42.900	87	21.800	207,000	6.9	
	6:45	221000	2 P	0.09	0.20	7.26	183	41.900	88	22.300	109,000	5.5
		Average	0.09	0.17	7.25	178	42.400	87	22.050	158,000	6.2	

26-Mar-02	221023	1 P	0.20	0.24	7.38	152	34.200	123	19.600	380,000	1.3
6:15	221024	2 P	0.10	0.37	7.49	121	31.500	108	19.500	560,000	4.2
		Average	0.15	0.31	7.44	137	32.850	115	19.550	470,000	2.8
27-Mar-02	221070	1 P	0.12	0.20	7.47	44	24.900	40	16.500	80,000	1.1
7:10	221071	2 P	0.09	0.13	7.36	42	25.000	38	17.500	150,000	0.7
		Average	0.11	0.17	7.42	43	24.950	39	17.000	115,000	0.9
28-Mar-02	221074	1 P	0.10	0.15	6.70	37	14.900	27	15.700	4,000	0.7
8:25	221075	2 P	0.12	0.17	6.80	31	14.900	32	15.700	5,000	4.9
		Average	0.11	0.16	6.75	34	14.900	29	15.700	4,500	2.8
1-Apr-02	221076	1 F	0.04	0.10	6.75	22	0.521	6	14.300	700	2.0
8:50	221077	2 F	0.04	0.11	6.73	22	0.478	6	14.200	1,100	1.4
		Average	0.04	0.11	6.74	22	0.500	6	14.250	900	1.7
2-Apr-02	221082	1 F	0.06	0.08	6.86	20	0.298	11	14.100	700	1.2
7:00	221083	2 F	0.05	0.09	6.84	23	0.271	6	13.900	900	1.3
		Average	0.06	0.09	6.85	22	0.285	8	14.000	800	1.3
3-Apr-02	221089	1 F	0.09	0.09	6.85	20	0.225	9	13.300	4,500	3.7
7:00	221090	2 F	0.04	0.09	6.86	25	1.890 <2		12.100	4,300	3.7
		Average	0.07	0.09	6.86	23	1.058	6	12.700	4,400	3.7
4-Apr-02	221105	1 P	0.09	0.14	6.80	15	0.229	7	13.190	2,500	2.0
7:45	221106	2 P	0.07	0.14	6.90	22	0.226	8	13.410	8,500	3.1
		Average	0.08	0.14	6.85	19	0.228	8	13.300	5,500	2.6
5-Apr-02	221114	1 P	0.04	0.08	6.60	25	0.284	3	12.800	500	1.0
8:25	221115	2 P	0.04	0.09	6.60	27	0.284	1	13.090	300	1.2
		Average	0.04	0.09	6.60	26	0.284	2	12.945	400	1.1
9-Apr-02	221144	1 F	0.02	0.07	7.06	30	18.100	9	17.800	7,300	0.4
7:45	221145	2 F	0.02	0.05	7.00	37	18.800	12	17.400	4,200	2.0
		Average	0.02	0.06	7.03	34	18.450	11	17.600	5,750	1.2
10-Apr-02	221160	1 F	0.06	0.09	6.74	34	7.480	15	19.700	3,000	1.4
7:05	221161	2 F	0.05	0.10	6.70	26	7.610	11	19.600	3,300	0.9
		Average	0.06	0.10	6.72	30	7.545	13	19.650	3,150	1.2
11-Apr-02	221168	1 F	<0.01	0.10	6.60	39	4.650	15	19.700	100	1.9
6:45	221169	2 F	<0.01	0.07	6.59	35	5.000	18	20.000	500 <0.2	
		Average	<0.01	0.09	6.60	37	4.825	17	19.850	300	1.1
12-Apr-02	221187	1 F	<0.01	0.06	6.49	48	3.930	18	20.300	300	2.5
7:25	221188	2 F	<0.01	0.04	6.45	45	3.920	10	20.500 <100		2.8
		Average	<0.01	0.05	6.47	47	3.925	14	20.400	200	2.7



14-Apr-02	221189	1 F	<0.01	0.05	6.78	50	0.234	22	20.600	200	2.8
6:30	221190	2 F	<0.01	<0.01	6.69	47	0.225	20	20.200	500	2.7
		Average	<0.01	0.05	6.74	49	0.230	21	20.400	350	2.8
15-Apr-02	221192	1 F	0.08	0.10	6.49	49	0.145	15	20.500	1,500	2.7
7:00	221193	2 F	0.10	0.10	6.53	54	0.165	19	21.200	2,300	3.3
		Average	0.09	0.10	6.51	52	0.155	17	20.850	1,900	3.0

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TSS	= Total Suspended Solids
BOD	= Biological Oxygen Demand
NLL	= Not listed in licence
P	= Preliminary analysis results
F	= Final analysis results
QA/QC	= Quality control samples - blanks
NA	= Results not available

**Table 2: Amarug - Treatment Plant Waste Water Sample Results**

Licencee: Conoco  
 Licence number: N7L1-1779  
 Station number: 1779-3

Current as of 2:00pm, 24-April-2002

Test	Chlorine residual	Chlorine total	pH	TSS	Ammonia-Nitrogen	BOD	Total Phosphorus	Faecal Coliform	Oil and Grease
Units	mg/l	mg/l	pH	mg/l	mg/l	mg/l	mg/l	CFU/dL	mg/l
Detection limit	0.01	0.01	0.05	3	0.005	2	0.004	1	0.2
Licence maximums	NLL	NLL	6.0 to 9.0	70	NLL	70	NLL	10,000	5.0

Date/Time	Laboratory	
Sampled	Id #	Sample

**Amarug**

29-Jan-02	220196	1 F	<0.01	0.07	8.61	46	110.000	33	16.600	2,530,000	7.7	
	8:40	220197	2 F	<0.01	0.06	8.61	52	94.800	40	16.200	2,070,000	7.6
		Average	<0.01	0.07	8.61	49	102.400	37	16.400	2,300,000	7.7	
5-Feb-02	220240	1 F	0.33	1.12	8.59	115	138.000	85	18.300	>1000	23.9	
	9:00	220241	2 F	0.86	3.71	8.60	108	130.000	78	18.000	1,480,000	23.5
		Average	0.60	2.42	8.60	112	134.000	82	18.150	1,480,000	23.7	
6-Feb-02	220269	1 F	0.20	0.20	8.60	95	106.000	77	14.800	600,000	16.6	
	9:15	220270	2 F	0.22	0.40	8.61	95	100.000	82	15.200	200,000	16.2
		Average	0.21	0.30	8.61	95	103.000	80	15.000	400,000	16.4	
7-Feb-02	220306	1 F	0.16	0.43	8.69	70	108.000	78	14.900	260,000	9.8	
	8:20	220307	2 F	0.21	0.36	8.73	95	96.100	40	14.900	400,000	10.1
		Average	0.19	0.40	8.71	83	102.050	59	14.900	330,000	10.0	
8-Feb-02	220314	1 P	0.14	0.14	8.50	65	98.200	64	14.200	1,100,000	14.0	
	8:05	220315	2 P	0.30	0.30	8.56	62	80.300	62	14.700	200,000	13.0
		Average	0.22	0.22	8.53	64	89.250	63	14.450	650,000	13.5	
9-Feb-02	220318	1 P	0.09	0.76	8.58	67	87.900	63	13.600	400,000	17.9	
	9:50	220321	2 P	0.06	0.69	8.60	60	78.300	69	13.900	500,000	16.7
		Average	0.08	0.73	8.59	64	83.100	66	13.750	450,000	17.3	
13-Feb-02	220334	1 P	0.50	0.30		59	100.300	100	14.100	1,500,000	19.2	
	8:40	220335	2 P	0.40	0.31	8.00	62	101.000	105	14.300	900,000	21.7
		Average	0.45	0.31	8.00	61	100.650	103	14.200	1,200,000	20.5	

14-Feb-02 220456	1 P	0.07	0.32	8.79	43	83.400	124	14.900	4,500,000	16.7
6:20 220457	2 P	0.07	0.29	8.79	38	84.300	126	15.600	4,000,000	14.8
	Average	0.07	0.31	8.79	41	83.850	125	15.250	4,250,000	15.8
15-Feb-02 220461	1 P	0.01	0.17	8.43	36	95.900	103	15.900	4,000,000	10.5
8:20 220462	2 P	0.04	0.23	8.43	37	88.100	90	16.000	3,300,000	11.2
	Average	0.03	0.20	8.43	37	92.000	97	15.950	3,650,000	10.9
17-Feb-02 220467	1 P	<0.01	0.15	8.17	18	68.700	10	15.600	1,300,000	6.6
8:30 220468	2 P	<0.01	0.06	8.18	18	68.600	6	15.100	1,100,000	5.9
	Average	<0.01	0.11	8.18	18	68.650	8	15.350	1,200,000	6.3
18-Feb-02 220469	1 P	0.04	0.15	8.20	24	46.500	10	14.900	4,600,000	5.0
8:50 220470	2 P	<0.01	0.10	8.11	17	46.100	5	15.100	9,800,000	5.8
	Average	<0.03	0.13	8.16	21	46.300	8	15.000	7,200,000	5.4
19-Feb-02 220475	1 P	<0.01	0.07	7.62	24	22.800	19	15.200	900,000	3.5
9:05 220476	2 P	<0.01	0.08	7.62	23	21.600	8	15.500	500,000	6.0
	Average	<0.01	0.08	7.62	24	22.200	14	15.350	700,000	4.8
20-Feb-02 220487	1 P	0.07	0.12	7.30	20	12.300	12	11.200	150,000	4.3
9:55 220488	2 P	0.07	0.09	7.30	20	12.000	10	11.200	200,000	5.8
	Average	0.07	0.11	7.30	20	12.150	11	11.200	175,000	5.1
21-Feb-02 220534	1 P	0.08	0.09	7.20	19	10.500	12	12.000	20,000	2.5
9:35 220535	2 P	0.08	0.09	7.10	20	10.400	15	11.800	50,000	3.6
	Average	0.08	0.09	7.15	20	10.450	14	11.900	35,000	3.1
22-Feb-02 220556	1 P	0.06	0.13	7.20	19	7.470	16	12.800	60,000	4.2
8:35 220557	2 P	0.05	0.11	7.10	18	7.110	16	12.500	50,000	3.8
	Average	0.06	0.12	7.15	19	7.290	16	12.650	55,000	4.0
25-Feb-02 220568	1 P	<0.01	0.21	7.50	22	3.680	12	11.000	<100	6.9
7:00 220569	2 P	<0.01	0.18	7.50	28	4.200	7	11.400	100	7.7
	Average	<0.01	0.20	7.50	25	3.940	10	11.200	<100	7.3
26-Feb-02 220607	1 P	0.06	0.13	7.20	22	6.560	17	15.000	900	4.7
8:15 220608	2 P	0.05	0.10	7.10	27	6.750	18	14.700	300	2.3
	Average	0.06	0.12	7.15	25	6.655	18	14.850	600	3.5
27-Feb-02 220634	1 P	<0.01	0.11	7.20	28	18.700	19	18.200	1,600	6.0
8:00 220635	2 P	<0.01	0.10	7.20	25	20.900	18	18.000	1,800	7.0
	Average	<0.01	0.11	7.20	27	19.800	18	18.100	1,700	6.5
28-Feb-02 220706	1 P	0.04	0.17	7.20	28	27.000	36	17.800	500	10.2
10:00 220707	2 P	0.05	0.16	7.10	29	26.200	39	18.300		8.3
	Average	0.05	0.17	7.15	29	26.600	37	18.050	500	9.3

1-Mar-02 220745	1 P	<0.01	0.14	6.90	26	18.300	30	15.000	1,400	9.6
11:25 220746	2 P	<0.01	0.12	6.80	26	16.300	30	15.600	600	9.4
	Average	<0.01	0.13	6.85	26	17.300	30	15.300	1,000	9.5
8-Mar-02 220816	1 P	0.01	0.01	7.10	40	22.200	45	17.600	9,300	9.7
9:00 220817	2 P	0.00	0.24	7.19	33	21.900	42	16.900		8.1
	Average	0.01	0.12	7.15	37	22.050	44	17.250	9,300	8.9
10-Mar-02 220825	1 P	0.12	0.32	6.85	40	17.900	42	19.500	5,400	10.6
9:30 220826	2 P	0.12	0.37	6.97	38	12.700	40	16.400	9,200	9.9
	Average	0.12	0.35	6.91	39	15.300	41	17.950	7,300	10.3
11-Mar-02 220839	1 P	0.17	0.26	6.75	52	14.200 NA		18.000	5,400	5.8
9:40 220840	2 P	0.13	0.30	6.82	67	14.700 NA		19.400	3,900	6.2
	Average	0.15	0.28	6.79	60	14.450 NA		18.700	4,650	6.0
12-Mar-02 220858	1 P	0.11	0.18	6.47	43	22.600	40	18.900	1,600	5.2
8:00 220859	2 P	0.06	0.17	6.47	47	20.900	66	19.000	1,370	6.3
	Average	0.09	0.18	6.47	45	21.750	53	18.950	1,485	5.8
13-Mar-02 220864	1 P	0.07	0.11	6.75	48	26.800	84	16.700	3,500	5.6
8:30 220865	2 P	0.04	0.10	6.81	57	26.000	62	17.800	2,600	8.9
	Average	0.06	0.11	6.78	53	26.400	73	17.250	3,050	7.3
14-Mar-02 220881	1 P	0.08	0.21	7.27	23	26.000	31	16.700	500	6.3
8:24 220882	2 P	0.06	0.02	7.19	23	25.000	31	17.400	500	4.7
	Average	0.07	0.12	7.23	23	25.500	31	17.050	500	5.5
15-Mar-02 220888	1 P	0.07	0.15	7.11	33	24.000	33	15.800	1,100	5.7
7:00 220889	2 P	0.07	0.11	7.14	33	24.400	32	18.000	600	6.1
	Average	0.07	0.13	7.13	33	24.200	32	16.900	850	5.9
17-Mar-02 220902	1 P	0.08	0.13	7.73	104	31.600	70	18.300	10,600	4.1
9:00 220903	2 P	0.05	0.13	7.45	33	30.900	28	16.800	5,800	3.6
	Average	0.07	0.13	7.59	69	31.250	49	17.550	8,200	3.9
18-Mar-02 220906	1 P	0.00	0.10	7.52	154	38.600	95	17.600	266,000	8.7
6:20 220907	2 P	0.04	0.10	7.53	171	43.300	94	17.700	285,000	6.4
	Average	0.02	0.10	7.53	163	40.950	94	17.650	275,500	7.6
19-Mar-02 220912	1 P	0.05	0.08	6.93	310	1.340	66	17.800	65,000	11.0
6:55 220913	2 P	0.00	0.10	7.23	676	2.350	90	18.100	46,000	10.4
	Average	0.03	0.09	7.08	493	1.845	78	17.950	55,500	10.7
20-Mar-02 220947	1 P	0.12	0.13	6.22	644	2.900	89	21.900	188,000	15.3
5:30 220948	2 P	0.20	0.20	6.25	617	2.700	90	22.000	68,000	15.4
	Average	0.16	0.17	6.24	631	2.800	90	21.950	128,000	15.4

21-Mar-02	220991	1 P	0.18	0.26	5.86	260	7.540	76	20.200	33,000	17.8
	7:50	2 P	0.24	0.30	5.84	265	6.800	71	20.600	21,000	17.2
		Average	0.21	0.28	5.85	263	7.170	74	20.400	27,000	17.5
22-Mar-02	220997	1 P	0.06	0.10	6.39	274	4.270	65	20.300	15,000	23.4
	6:15	2 P	0.06	0.16	6.35	304	4.230	73	20.700	26,000	21.9
		Average	0.06	0.13	6.37	289	4.250	69	20.500	20,500	22.7
9-Apr-02	221146	1 F	0.10	0.27	6.10	30	7.210	20	17.100	70	4.0
	8:15	2 F	0.16	0.20	6.05	30	7.320	19	17.700	100	4.1
		Average	0.13	0.24	6.08	30	7.265	20	17.400	85	4.1

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TSS = Total Suspended Solids  
 BOD = Biological Oxygen Demand  
 NLL = Not listed in licence  
 P = Preliminary analysis results  
 F = Final analysis results  
 QA/QC = Quality control samples - blanks  
 NA = Results not available

## Summary of Modifications

The Licensee is of the view that no modifications were made. Listed below for record purposes are confirmations of the final decisions with respect to several important options identified in the Project Description (as defined in the Licence).

1. The Project Description included, in Figure 2, a map of proposed temporary access roads and camp locations. Final temporary access routes and major camp locations were determined in consultation with officers of Indian and Northern Affairs Canada. Maps of the final temporary access routes, major camp locations and lake identifications were filed with the NWT Water Board with the Annual Report for 2001, pursuant to licence conditions Part B, item 1, submitted in April, 2002 (letter of acknowledgement of receipt by the NWT Water Board dated May 1, 2002). The final temporary access routes and camp locations did not result in changes to the plans for selection of water sources for roads and camps (pages 9 and 17 of the Project Description).
2. The Project Description proposed that digested solids be removed from the site and transported to a location suitable to all regulatory authorities for disposal; it also identified three potential options for sewage disposal: dispose solids at Inuvik sewage facilities, dispose at the Inuvik sanitary landfill, or discharge to the Mackenzie River (Project Description page 18). In fact, as has been advised, treated sewage was trucked to the municipal sewage lagoon at Tuktoyaktuk.

## Spills and Unauthorized Discharges for 2002



## Spills and Discharges – 2002

For details, please refer to the copies of the NWT Spill Reports (provided by National Energy Board) that follow.

<b>Spill Line File #</b>	<b>Substance / Quantity</b>	<b>Action</b>	<b>File Status (Confirmed with Lead Agencies)</b>
2002 – 03	Diesel / 1 litre	Removed and properly disposed of.	Closed
2002 – 14	Sewage / 225 litres	Removed and disposed of at Tuktoyaktuk sewage lagoon.	Closed
2002 – 46	Ethyl Glycol / 2 litres	Removed and properly disposed of.	Closed
2002 – 115	Engine oil / 7.6 litres	Removed and properly disposed of.	Closed
2002 – 199	Oil and diesel / (not available)	Removed and properly disposed of.	Closed
2002 – 225	Diesel / (not available)	Removed and properly disposed of.	Closed
2002 – 253	Hydraulic oil / 5 litres	Removed and properly disposed of.	Closed
2002 – 254	Gear oil / 2 litres	Removed and properly disposed of.	Closed
2002 – 255	Hydraulic fluid / 3 litres	Removed and properly disposed of.	Closed
2002 – 256	Diesel / 1 litre	Removed and properly disposed of.	Closed
2002 – 448	Diesel / Accumulation	Soil removed and replaced / contaminated soil taken to approved disposal site.	Closed

# N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

**National Energy Board**  
 Phone (403) 292-6614 Home (403) 275-6256  
 Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>25 Nov 2002</b>	<b>B</b> Date and time of spill (if known) <b>Jan 01 2002</b>	<b>C</b> Original Report  <input checked="" type="checkbox"/> Update Report	Spill number <b>02-003</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Parson's Lake Road</b>			
<b>E</b> Party responsible for spill <b>E-Gruben's Transport – Conoco Canada Resources Ltd. Parson's Lake Program</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Diesel fuel – 1 L</b>			
<b>G</b> Cause of spill <b>Leaking fuel fitting in fuel pump on loader</b>			
<b>H</b> Is Spill terminated?  <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate	<b>J</b> Is further spillage possible?  yes                      no <input checked="" type="checkbox"/>	<b>K</b> Extent of contaminated area (m2)  <b>1m<sup>2</sup></b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>None</b>		<b>M</b> Containment (natural depression, dykes, etc.) <b>Snow</b>	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Snow was shoveled up and put in plastic bag. Drip pans are used under the machinery</b>			
<b>O</b> Do you require assistance?  <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <b>Nov 25, 2002.</b>  <b>In conjunction with Conoco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.</b>          <b>RECOMMEND FILE BE CLOSED</b>  <b>c.c. Gerry Simon, Conoco</b>			<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> _____ Lead Agency  _____ Spill significance  _____ Lead Agency contact and time  _____  _____  _____  _____  <b>Is this file now closed?</b>
Reported by <b>John Korec</b>	Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>		Telephone <b>403-292-6614</b>
Reported to <b>Spill Line</b>	Position, Employer, Location		Telephone <b>867-873-6924 (fax)</b>

## N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

National Energy Board  
 Phone (403) 292-6614 Home (403)  
 275-6256  
 Fax (403) 292-5876 or 292-5875

24-Hour Report Line  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>25 Nov 2002</b>	<b>B</b> Date and time of spill (if known) <b>Jan 14 2002</b>	<b>C</b> Original Report  <input checked="checked" type="checkbox"/> Update Report	Spill number <b>02-014</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>NW Corner Parsons Lake</b>			
<b>E</b> Party responsible for spill <b>E-Gruben's Transport - Conoco Canada Resources Ltd. Parson's Lake Program</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Grey water and sewage - 225 L</b>			
<b>G</b> Cause of spill <b>Dumping grey water</b>			
<b>H</b> Is Spill terminated?  <input checked="checked" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate	<b>J</b> Is further spillage possible?  yes                  no <input checked="checked" type="checkbox"/> X	<b>K</b> Extent of contaminated area (m2) <b>3m<sup>2</sup></b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>None</b>		<b>M</b> Containment (natural depression, dykes, etc.) <b>Ice</b>	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Installed sewage tank</b>			
<b>O</b> Do you require assistance?  <input checked="checked" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <u>Jan 14, 2002</u> <b>Snow berm with snow inside. Clean up when camp moves.</b>  <u>Nov 25, 2002.</u> <b>In conjunction with Conoco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.</b>           <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECOMMEND FILE BE CLOSED</p>  c.c. Gerry Simon, Conoco		<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> _____ Lead Agency  _____ Spill significance  _____ Lead Agency contact and time  _____  _____  _____  _____    Is this file now closed?	
Reported by <b>John Korec</b>	Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>	Telephone <b>403-292-6614</b>	
Reported to <b>Spill Line</b>	Position, Employer, Location	Telephone <b>867-873-6924 (fax)</b>	

# N.W.T. SPILL REPORT

(Oil, Gas, Hazardous Chemicals or other Materials)

National Energy Board  
 Phone (403) 292-6614 Home (403) 275-6256  
 Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>8 April 2002</b>	<b>B</b> Date and time of spill (if known) <b>Jan 29 2002, 07:00</b>	<b>C</b> Original Report  <input checked="" type="checkbox"/> Update Report	Spill number <b>02-046</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Ring road on Parsons Lake</b>			
<b>E</b> Party responsible for spill <b>Carter Industries / Western Geco/Conoco</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Ethyl Glycol - approx 2 L</b>			
<b>G</b> Cause of spill <b>Engine failure</b>			
<b>H</b> Is Spill terminated?  <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate	<b>J</b> Is further spillage possible?  yes                      no <input checked="" type="checkbox"/>	<b>K</b> Extent of contaminated area (m <sup>2</sup> )  <b>2m<sup>2</sup></b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>None</b>		<b>M</b> Containment (natural depression, dykes, etc.)	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Spill and contaminated snow removed and disposed of using proper methods</b>			
<b>O</b> Do you require assistance?  <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <b>April 8, 2002.</b>  <b>In conjunction with Western Geco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.</b>            <p style="text-align: center; font-size: 1.2em;">RECOMMEND FILE BE CLOSED</p>			<p style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;"><b>FOR SPILL LINE USE ONLY</b></p> <p style="text-align: center; border-bottom: 1px solid black; margin-bottom: 5px;"><b>NEB</b></p> Lead Agency _____  Spill significance _____  Lead Agency contact and time _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Reported by <b>John Korec</b>		Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>	
Reported to <b>Spill Line</b>		Telephone <b>403-292-6614</b>	
Reported to <b>Spill Line</b>		Telephone <b>867-873-6924 (fax)</b>	

Is this file now closed?

# N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

National Energy Board  
Phone (403) 292-6614 Home (403)  
275-6256  
Fax (403) 292-5876 or 292-5875

24-Hour Report Line  
Phone (867) 920-8130  
Fax (867) 873-6924

<b>A</b> Report date and time <b>8 April 2002</b>		<b>B</b> Date and time of spill (if known) <b>Feb 19 2002, 15:45</b>		<b>C</b> Original Report <b>X Update Report</b>		Spill number <b>02-115</b>	
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Lat 69° 02' 12" Long 133° 21' 55"</b>							
<b>E</b> Party responsible for spill <b>Downlands Contracting/Western Geco/Conoco</b>							
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Engine Oil - approx 2 gal (7.6 L)</b>							
<b>G</b> Cause of spill <b>Motor plug released from engine block</b>							
<b>H</b> Is Spill terminated? <b>X yes no</b>		<b>I</b> If spill is continuing, give estimated rate <b>No</b>		<b>J</b> Is further spillage possible? yes no <b>X</b>		<b>K</b> Extent of contaminated area (m2) <b>611m<sup>2</sup></b>	
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>Snow cover</b>				<b>M</b> Containment (natural depression, dykes, etc.) <b>Spill kit</b>			
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Night shift of 2 workers to clean up</b>							
<b>O</b> Do you require assistance? <b>X no yes, describe:</b>				<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>			
<b>Q</b> Comments and/or recommendations  <b>This was not a saturated spill – spilled along 3 lines in drips April 8, 2002. In conjunction with Western Geco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.</b>            <b>RECOMMEND FILE BE CLOSED</b>						<b>FOR SPILL LINE USE ONLY</b> <b>NEB</b> Lead Agency _____ Spill significance _____ Lead Agency contact and time _____ _____ _____ _____ _____ _____  Is this file now closed?	
Reported by <b>John Korec</b>		Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>				Telephone <b>403-292-6614</b>	
Reported to <b>Spill Line</b>		Position, Employer, Location				Telephone <b>867-873-6924 (fax)</b>	

# N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

**National Energy Board**  
Phone (403) 292-6614 Home (403) 275-6256  
Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
Phone (867) 920-8130  
Fax (867) 873-6924

<b>A</b> Report date and time <b>4 April 2002</b>	<b>B</b> Date and time of spill (if known) <b>Mar 14 2002, 09:30</b>	<b>C</b> Original Report  <input checked="" type="checkbox"/> Update Report	Spill number <b>02-199</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Rec 1133 &amp; Source 5296 &amp; 5304 Lat 68°57' 57.2" Long 133°39'08.5"</b>			
<b>E</b> Party responsible for spill <b>Hertz Drilling/Western Geco/Conoco Parsons Lake 3D Seismic program</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Oil and diesel</b>			
<b>G</b> Cause of spill <b>FN 110 top drive slid down snow bank and layed on side</b>			
<b>H</b> Is Spill terminated?  <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate <b>N/A</b>	<b>J</b> Is further spillage possible?  yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	<b>K</b> Extent of contaminated area (m2) <b>1m<sup>2</sup></b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>Cleaned up, all snow removed within one hour</b>		<b>M</b> Containment (natural depression, dykes, etc.) <b>No</b>	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Clean up complete, environmental monitor on site during clean up.</b>			
<b>O</b> Do you require assistance?  <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <b>Unit slid down snow bank and layed on its side, no damage to nodwell, weather poor at time of incident. Unit was uprighted and working again within 1.5 hrs. Clean up was completed and removed at this time. Environmental monitors on site to confirm clean up and no contamination at location, material removed to camp and on to Inuvik.</b>  <b>April 4, 2002. Spill was on snow, contaminated snow was removed for disposal. No further clean-up is required.</b>  <b>In conjunction with Conoco, the spill file and subsequent actions that were taken have been reviewed by the NEB Environmental Specialist. Clean up has been completed.</b>  <p style="text-align: center; font-weight: bold; font-size: 1.2em;">RECOMMEND FILE BE CLOSED</p>		<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> _____ Lead Agency  _____ Spill significance  _____ Lead Agency contact and time  _____  _____  _____  Is this file now closed?	
Reported by <b>Alison Farrant</b>	Position, Employer, Location <b>Environmental Specialist, NEB, Calgary</b>		Telephone <b>403-299-2761</b>
Reported to <b>Spill Line</b>	Position, Employer, Location		Telephone <b>867-873-6924 (fax)</b>

## N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

**National Energy Board**  
 Phone (403) 292-6614 Home (403)  
 275-6256  
 Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>March 27, 2002 21:10</b>	<b>B</b> Date and time of spill (if known) <b>March 5 2002</b>	<b>C</b> Original Report  <b>X</b> Update Report #1	<b>Spill number</b> <b>02-225</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Lat 68°58 25' Long 133°31 10' Crown Land</b>			
<b>E</b> Party responsible for spill <b>Bertram Drilling ; Operator Conoco</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Diesel - Volume</b>			
<b>G</b> Cause of spill <b>Hole in hose on pump in truck box</b>			
<b>H</b> Is Spill terminated?  <b>X</b> yes no	<b>I</b> If spill is continuing, give estimated rate  <b>No</b>	<b>J</b> Is further spillage possible?  yes no <b>X</b>	<b>K</b> Extent of contaminated area (m2) <b>1. m<sup>2</sup> (Truck box)</b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>None</b>		<b>M</b> Containment (natural depression, dykes, etc.) <b>None</b>	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Cleanup and remove and dispose of in camp – truck to Inuvik</b>			
<b>O</b> Do you require assistance?  <b>X</b> no yes, describe:		<b>P</b> Possible hazards to persons, property, or environment  <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <b>Keep eyes on hoses for leaks</b>  <b>April 2, 2002. In conjunction with Bertram Drilling, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.</b>  <p style="text-align: center;"><b>RECOMMEND FILE BE CLOSED</b></p>		<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> Lead Agency _____ Spill significance _____ Lead Agency contact and time _____ _____ _____ _____ Is this file now closed? _____	
<b>Reported by</b> <b>John Korec</b>	<b>Position, Employer, Location</b> <b>Conservaton Officer, NEB, Calgary</b>		<b>Telephone</b> <b>403-292-6614</b>
<b>Reported to</b> <b>Spill Line</b>	<b>Position, Employer, Location</b>		<b>Telephone</b> <b>867-873-6924 (fax)</b>

# N.W.T. SPILL REPORT

(Oil, Gas, Hazardous Chemicals or other Materials)

**National Energy Board**  
 Phone (403) 292-6614 Home (403)  
 275-6256  
 Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>April 10, 2002</b>		<b>B</b> Date and time of spill (if known) <b>March 19 2002</b>		<b>C</b> Original Report  <b>X</b> Update Report #1		Spill number <b>02-253</b>	
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Lat 68°51' Long 133°52' Crown Land - Southwest Parsons Lake</b>							
<b>E</b> Party responsible for spill <b>Bertram Drilling 257; Operator Conoco</b>							
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Hydraulic Oil 5 L</b>							
<b>G</b> Cause of spill <b>Hydraulic hose broke</b>							
<b>H</b> Is Spill terminated?  <b>X</b> yes no		<b>I</b> If spill is continuing, give estimated rate <b>No</b>		<b>J</b> Is further spillage possible?  yes no <b>X</b>		<b>K</b> Extent of contaminated area (m2) <b>1. m<sup>2</sup></b>	
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>None</b>				<b>M</b> Containment (natural depression, dykes, etc.) <b>None</b>			
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Replace hose, cleaned spill, checked by environmental monitors</b>							
<b>O</b> Do you require assistance?  <b>X</b> no yes, describe:				<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>			
<b>Q</b> Comments and/or recommendations  <b>Hose broke on drill. Spill was cleaned &amp; shipped to Inuvik</b>  <b>April 10, 2002. In conjunction with Western Geco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer Clean up has been completed.</b>       <b>RECOMMEND FILE BE CLOSED</b>						<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> Lead Agency _____ Spill significance _____ Lead Agency contact and time _____ _____ _____ _____ _____ Is this file now closed?	
Reported by <b>John Korec</b>		Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>		Telephone <b>403-292-6614</b>			
Reported to <b>Spill Line</b>		Position, Employer, Location		Telephone <b>867-873-6924 (fax)</b>			



# N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

**National Energy Board**  
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 Fax (403) 292-5876 or 292-5875

**24-Hour Report Line**  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>April 10, 2002</b>	<b>B</b> Date and time of spill (if known) <b>March 16 2002: 09:00 hrs</b>	<b>C</b> Original Report  <input checked="" type="checkbox"/> Update Report #1	Spill number <b>02-254</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>6 Km south of Parsons Lake N7647500 E55800 Crown land</b>			
<b>E</b> Party responsible for spill <b>Bertram Drilling #240; Operator Conoco</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Gear oil 2 L</b>			
<b>G</b> Cause of spill <b>Leaking seal on rear drive</b>			
<b>H</b> Is Spill terminated?  <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate <b>None</b>	<b>J</b> Is further spillage possible?  yes                    no <input checked="" type="checkbox"/>	<b>K</b> Extent of contaminated area (m2)
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>Snow cover – no problem</b>		<b>M</b> Containment (natural depression, dykes, etc.) <b>None</b>	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Noticed immediately &amp; shoveled &amp; scraped up. Material bagged &amp; will go to Inuvik</b>			
<b>O</b> Do you require assistance?  <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <b>Drill returned to staging area in morning when leak was observed. Followed leak back to beginning - about 600 m of trickle leak. Shown to ILA monitor &amp; completely cleaned up affected area.</b>  <b>April 10, 2002. In conjunction with Western Geco, the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer Clean up has been completed.</b>          <b>RECOMMEND FILE BE CLOSED</b>		<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> _____ Lead Agency  _____ Spill significance  _____ Lead Agency contact and time  _____  _____     Is this file now closed?	
Reported by <b>John Korec</b>	Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>		Telephone <b>403-292-6614</b>
Reported to <b>Spill Line</b>	Position, Employer, Location		Telephone <b>867-873-6924 (fax)</b>





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# N.W.T. SPILL REPORT (Oil, Gas, Hazardous Chemicals or other Materials)

National Energy Board  
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 275-6256  
 Fax (403) 292-5876 or 292-5875

24-Hour Report Line  
 Phone (867) 920-8130  
 Fax (867) 873-6924

<b>A</b> Report date and time <b>31 July 2002</b>	<b>B</b> Date and time of spill (if known) <b>Feb – Apr 2002</b>	<b>C</b> Original Report  <input checked="" type="checkbox"/> Update Report	Spill number <b>02-448</b>
<b>D</b> Location and map coordinates (if known) and direction (if moving) <b>Weatherhaven Campsite – Parson's Lake</b>			
<b>E</b> Party responsible for spill <b>WesternGeco/Conoco</b>			
<b>F</b> Product(s) spilled and estimated quantities (provide metric volumes/weights if possible) <b>Diesel – est. 20 L; motor oil – est. 5 L</b>			
<b>G</b> Cause of spill <b>Fuel bowser and shop annex at campsite</b>			
<b>H</b> Is Spill terminated?  <input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<b>I</b> If spill is continuing, give estimated rate	<b>J</b> Is further spillage possible?  yes                  no <input checked="" type="checkbox"/>	<b>K</b> Extent of contaminated area (m2) <b>Diesel – est. 3 m<sup>2</sup> (2 areas)</b> <b>Motor oil – est. 1 m<sup>2</sup></b>
<b>L</b> Factors affecting spill recovery (weathering conditions, terrain, snow cover, etc.) <b>Summer: diesel and oil soaked into surface</b>		<b>M</b> Containment (natural depression, dykes, etc.)	
<b>N</b> Action, if any, taken or proposed to contain, recover, clean up or dispose of product(s) and contaminated materials <b>Removed contaminated surface soil – disposed in contaminant bins.</b>			
<b>O</b> Do you require assistance?  <input checked="" type="checkbox"/> no <input type="checkbox"/> yes, describe:		<b>P</b> Possible hazards to persons, property, or environment <b>None.</b>	
<b>Q</b> Comments and/or recommendations  <u>July 31, 2002</u> 2 diesel spills found at weatherhaven campsite; (a) fuel bowser location; (b) shop annex location. Both recoveries were refilled with local gravel and peat moss to maintain permafrost integrity.  Several small oil spills were found and recovered in the same manner.  All spills on site are 100% recovered and removed  <u>August 1, 2002.</u> In conjunction with WesternGeco (for Conoco), the spill file and subsequent actions that were taken have been reviewed by the NEB Conservation Officer. Clean up has been completed.  c.c.    Gerry Simon, Conoco, fax 403-233-5157 Marty Swagar, WesternGeco fax 403-509-4217  <b>RECOMMEND FILE BE CLOSED</b>			<b>FOR SPILL LINE USE ONLY</b>  <b>NEB</b> _____ Lead Agency  _____ Spill significance  _____ Lead Agency contact and time  _____  _____  _____  Is this file now closed?
Reported by <b>John Korec</b>	Position, Employer, Location <b>Conservation Officer, NEB, Calgary</b>		Telephone <b>403-299-2761</b>
Reported to <b>Spill Line</b>	Position, Employer, Location		Telephone <b>867-873-6924 (fax)</b>

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