

WRITTEN CONTAMINATION INCIDENT FOLLOW-UP REPORT

(Page 1 of 2)

RETURN COMPLETED FORM TO SOUTH DAKOTA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
GROUND WATER QUALITY PROGRAM
JOE FOSS BUILDING
523 EAST CAPITOL AVENUE
PIERRE SD 57501-3182

SITE NAME: TransCanada Keystone Pipeline - Ferney Pump Station

SPILL LOCATION: 41461 144th Street, Andover, SD 57442

LATITUDE/LONGITUDE: 45.2975 / -97.9488

LEGAL LOCATION (TOWNSHIP/RANGE): T121N R059W S017

RESPONSIBLE PARTY: TransCanada Keystone Pipeline, LP

MAILING ADDRESS: 13710 FNB Parkway, Suite 300

CITY: Omaha, NE 68154

TELEPHONE: _____ (HOME) (402) 492-7300 _____ (WORK)

DATE OF SPILL OR WHEN DETECTED: January 5, 2011 TIME: 8:00 am

WHAT WAS THE DURATION OF THE RELEASE? < 48 hours

SUBSTANCE(S) RELEASED: Crude Oil

QUANTITY RELEASED: ~ 2 gallons

CHEMICAL NAME: _____ CAS #: _____
Canadian Sour Crude
CAS# 8002.05.09

IS SUBSTANCE ON THE "SARA 302 LIST"? YES _____ NO X DON'T KNOW _____
"CERCLA HAZARDOUS SUBSTANCE LIST"? YES _____ NO X DON'T KNOW _____
"SOUTH DAKOTA REGULATED SUBSTANCE"? YES X NO _____ DON'T KNOW _____

CONSULTANT: NA

IDENTIFY KNOWN HEALTH RISKS: None Known

WHAT PERTINENT MEDICAL ADVICE WAS ISSUED? None Required

LAND USE (RESIDENTIAL, INDUSTRIAL, RURAL, OTHER): Rural

UTILITIES INVESTIGATED (WATER, SEWER, TELEPHONE, CATV, STORM WATER, OTHER): _____

Leak occurred in a rural setting within the boundaries of the pump station, no utilities.

FOLLOW-UP REPORT CONTINUED

(Page 2 of 2)

DENR FILE #: 2,011.004

ENVIRONMENTAL MEDIA IMPACTED (SURFACE SOIL, SUBSURFACE SOIL > 3' BELOW GROUND, GROUND WATER, SURFACE WATER, INDOOR AIR, OUTDOOR AIR, ETC.): _____

Oil sprayed on pump equipment in the immediate area of the seal leak, on concrete pump foundation, and snow adjacent to foundation.

DISTANCE TO AND NAME OF CLOSEST SURFACE WATER OR DRAINAGE: _____

Road ditch along County Rd. 22

DEPTH/DISTANCE TO AND NAME OF CLOSEST AQUIFER: Unknown

DEPTH/DISTANCE TO NEAREST DRINKING WATERWELL: Suspect >1 mile N on CO Rd 41 (unconfirmed)

CUBIC YARDS OF SOIL EXCAVATED/TREATED: NA

WAS FREE PHASE OR POOLED PRODUCT PRESENT? Yes, limited to surface of pump, concrete pad, snow.

DIMENSIONS OF EXCAVATION: NA

CONTAMINATED MATERIALS DISPOSAL SITE: Two 55-gallon drums of oily absorbent / rags and snow

DATE MATERIAL WAS DISPOSED OF: Pending waste characterization results - scheduled for week of 02-14-2011.

IMMEDIATE CORRECTIVE ACTION TAKEN AND ADDITIONAL WORK PLANNED: _____

TransCanada technician, upon arrival onsite at 8:00am 01-05-2011, observed the indications of a seal leak. The pump was not operating (was shutdown for no demand at 5:30am 01-05-2011). The technician closed associated suction and discharge valves and immediately initiated remedial activities to contain and clean oil from the pump foundation using absorbent material. Also visually stained snow around the foundation was shoveled up and drummed. A spill cleanup contractor was mobilized to the site to clean off the oiled pump surface and adjacent piping using a non-hazardous citrus based cleaner. Pump and piping cleanup was concluded on 01-06-2011. Photo 1 is provided as a reference, showing extent of the leak and oil stained equipment.

FORM COMPLETED BY: Robert M. Baumgartner DATE: February 2, 2011





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

March 9, 2011

Robert Baumgartner
TransCanada Keystone Pipeline, LP
13710 FNB Parkway
Omaha NE 68154

Subject: Closure of Department of Environment and Natural Resources File 2011.004 –
TransCanada Keystone Pipeline – Ferney Pump Station

Dear Mr. Baumgartner,

The Department of Environment and Natural Resources reviewed all information submitted regarding the above referenced spill. The department has determined the case is closed.

On January 5, 2011, TransCanada staff noticed indications of a leaking seal at the Ferney Pump Station. In response to the two-gallon release, TransCanada staff isolated and stopped the leak and initiated cleanup activities. Six drums of oiled absorbents, rags and snow were collected and properly disposed of. There were no soil or water impacts resulting from the release.

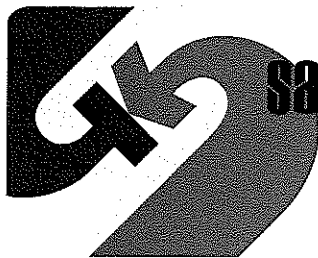
The department has concluded based on the clean-up activities TransCanada conducted, this crude oil spill poses no risk at this time. Therefore, the department will not require TransCanada to take any additional action in this matter. If problems arise because of any remaining contamination, TransCanada may be responsible for conducting additional assessment and remediation.

Please contact Brian Walsh of my staff at (605) 773-3296, if you have any questions. Thank you for your efforts and cooperation regarding this spill.

Sincerely,

Bill Markley, Administrator
Ground Water Quality Program
(605) 773-3296

cc: Wes Williams, Day County emergency Management, Webster, SD



safety-kleen®

SAFETY-KLEEN SYSTEMS, INC
5360 LEGACY DRIVE
PLANO, TX 75024

DUNS NO: 05-397-6551
FED ID NO: 39-6090019

ORIGINAL INVOICE

Page 1 of 1

Account Number	Invoice Number	Invoice Date	Terms
0003276060	53273316	02/16/11	Net 30

BILL TO ADDRESS

TRANSCANADA KEYSTONE PIPELINE LP
ATTN ROBERT BAUMGARTNER
717 TEXAS ST
HOUSTON, TX 77002-2761

SERVICE LOCATION

TRANSCANADA KEYSTONE PIPELINE LP
41461 144TH ST
ANDOVER, SD 57442

SK Service Facility
BR SIOUX FALLS

Special Billing Code #
NS 001 56

Facility Phone 605-332-0231	Service Date 02/14/2011	Service Number 0010014341
---------------------------------------	-----------------------------------	-------------------------------------

Department #	Department	Release #	Transporter	Manifest #	Tax Status/#	PO Number
				003826920fle		

QUANTITY	DESC./REFERENCE NUMBER	PRICE PER	SALES TAX	ITEM TOTAL
3.000	LANDFILL -NON-USDOT HAZ/NON-RCRA LIQUIDS 0000088888-07-040465775-0875480 SPILL CLEAN UP - FERN 1	197.0000 DR	35.46	626.46
3.000	LANDFILL -NON-USDOT HAZ/NON-RCRA LIQUIDS 0000088888-07-040465778-0875480 SPILL CLEAN UP - FERN 2	197.0000 DR	35.46	626.46
1.000	FEE, FUEL SURCHARGE 0000100001-24-000000000-0000000	12.2600 EA	0.74	13.00
4.000	DRUM OPEN HEAD 55GL - BLACK - USED 0008003369-24-000000000-0000000	75.0000 EA	18.00	318.00
1.000	PROFILE, MANUAL OR PAPER 0000082100-24-000000000-0000000	0.0000 EA	0.00	0.00

*OK To Pay
Robert M. Baumgartner #87309*

*FERNY PUMP STATION - 1-5-11 LEAK
ALUMINUM WAS TO BE DISPOSED*

SUBTOTAL	1,494.26
TOTAL TAX	89.66
TOTAL AMOUNT DUE	\$1,583.92

Comments

Please be advised delinquent payments may result in a Late Payment Charge of \$25.00. To avoid a Late Payment Charge and service interruptions, please ensure that all payments are received by the invoice due date.

The leading provider of responsible cleaning, environmental and re-refining solutions.

Please detach and enclose this coupon with your payment.



SAFETY-KLEEN SYSTEMS, INC
5360 LEGACY DRIVE
PLANO, TX 75024

Account Number	Invoice Number	Invoice Date	Service Number
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0003276060 53273316

02/16/11

0010014341

PLEASE RETURN THIS PORTION WITH PAYMENT.
MAKE ANY ADDRESS CORRECTIONS BELOW.

Date Due

Amount Due

03/18/11

\$1,583.92

000532733160003276060700001583925

7514 0100 MULTI RP 17 02172011 YNNNNNN 0003478 S1 T11
3478 1 MB 0.379

TRANSCANADA KEYSTONE PIPELINE LP
ATTN ROBERT BAUMGARTNER
717 TEXAS ST
HOUSTON TX 77002-2761

SAFETY-KLEEN
PO BOX 650509
DALLAS, TX 75265-0509





ORIGINAL INVOICE				Page 1 of 1
Account Number	Invoice Number	Invoice Date	Terms	
0003276060	52937534	01/17/11	Net 30	

BILL TO ADDRESS TRANSCANADA ATTN ROBERT BAUMGARTNER 13710 FNB PKWY STE 300 OMAHA, NE 68154-5298	SERVICE LOCATION TRANSCANADA KEYSTONE PIPELINE LP 41461 144TH ST ANDOVER, SD 57442	SK Service Facility BR SIOUX FALLS Facility Phone 605-332-0231	Special Billing Code # NS 001 56 Service Date 01/17/2011	Service Number 0010014341
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Department #	Department	Release #	Transporter	Manifest #	Tax Status/#	PO Number
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QUANTITY	DESC./REFERENCE NUMBER	PRICE PER	SALES TAX	ITEM TOTAL
2.000	TCLP VOLATILE ORGANICS LAB FEE 0000870807-07-000000000-0000000	318.0000 EA	38.16	674.16
2.000	TCLP METALS (RCRA 8) 0000870805-07-000000000-0000000	228.0000 EA	27.36	483.36
2.000	FLASH/IGNITIBILITY (D001) 0000870813-07-000000000-0000000	34.0000 EA	4.08	72.08

SUBTOTAL	1,160.00
TOTAL TAX	69.60
TOTAL AMOUNT DUE	\$1,229.60

OK to pay
Robt M. Boyd #87309
FORNEY Pump Station - 1/5/11 Seal Leak - WASTE CHARACTERIZATION

Comments
Please be advised delinquent payments may result in a Late Payment Charge of \$25.00. To avoid a Late Payment Charge and service interruptions, please ensure that all payments are received by the invoice due date.

The leading provider of responsible cleaning, environmental and re-refining solutions.

Please detach and enclose this coupon with your payment.



Account Number	Invoice Number	Invoice Date	Service Number
0003276060	52937534	01/17/11	0010014341
PLEASE RETURN THIS PORTION WITH PAYMENT. MAKE ANY ADDRESS CORRECTIONS BELOW.			
		Date Due	Amount Due
		02/16/11	\$1,229.60

000529375340003276060700001229601

7518 0100 MULTI RP 18 01182011 YNNNNNNN 0000030 S1 T3
30 1 AB 0.357

TRANSCANADA
ATTN ROBERT BAUMGARTNER
13710 FNB PKWY STE 300
OMAHA NE 68154-5298

SAFETY-KLEEN
PO BOX 650509
DALLAS, TX 75265-0509

**SAFETY-KLEEN
WASTE MATERIAL PROFILE**

PROFILE #: 40465778

Customer #: 10014341 Analytical Part #: _____
 Sales Name: Kevin Gjoraas Employee #: 436054 Rep Email: kevin.gjoraas@safety-kleen.com Location/Branch #: 7123 - BR Sioux Falls

A. CUSTOMER INFORMATION Check if Billing Same

Generator TRANSCANADA KEYSTONE PIPELINE Billing Company _____
 Facility Address (No P.O. Box) 41461 144TH ST Billing Address _____
 _____ City/State/Zip _____
 City/State/Zip ANDOVER / SD / 57442 Billing Contact _____
 Technical Contact BOB BAUMGARTNER Phone _____ FAX _____
 Phone 402-492-7464 FAX _____ Email _____

CESQG SQG LQG EPA ID# CESQG State ID# _____

B. SHIPPING INFORMATION

US DOT Shipping Name _____
 Hazardous Class/Division # _____ UN/NA # _____ Packing Group _____ RQ _____
 Size 55 - GALLONS Container Type STEEL Quantity 3 Frequency ONE-TIME ONLY

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material SPILL CLEAN UP - FERN 2
 Process Generating the Material SPILL CLEAN UP

Yes No Yes No

Regulated or Licensed Radioactive Waste Contains UHCs/Constituents of Concern: List in section D
 Regulated Medical/Infectious Waste Exempt Waste: If yes, list ref. 40 CFR _____
 Waste Subject to Benzene NESHAP regulations
 TSCA Regulated PCB Waste: List PCB level in section D State Hazardous Waste: List Codes _____
 Regulated Ozone Depleting Substance EPA Hazardous Waste: List Codes _____
 CERCLA Regulated (Superfund) Waste Source Code G _____ Form Code W _____

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

WATER/SNOW	10 - 40%
DEBRIS OIL	20 - 50%
KITTY LITTER	1 - 30%
OILY ABSORBENTS	20 - 40%
SAND/DIRT	1 - 30%
<input type="checkbox"/> Supporting documentation attached	Total: 100%

E. REACTIVE CHARACTERISTICS

Yes No Oxidizer
 Yes No React. Sulfides _____ ppm Yes No Shock/Explosive
 Yes No React. Cyanides _____ ppm Yes No Polymerizable
 Yes No Water/Air (Pyrophoric) React. Yes No Other-Comments

Elemental Constituents (ppm):

No detectable Elements Sb NR As NR Ba NR
 Be NR Cd NR Cr NR Pb NR Hg NR
 Ni NR Se NR Ag NR Tl NR V NR

Metals Data based on: TCLP Total Analysis Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: _____ pH Range: ≤2
 73-<100 100-141 >2-4 >4-10
 142-<200 ≥200 >10-<12.5 ≥12.5
 # Phases 2 % Liquid 10 - 30% Viscosity cps 30,001 - 50,000
 % Sludge _____ % Solid 40 - 80% % Halogens _____
 BTU's/lb: <5000 Specific Gravity: >1

G. COMMENTS

TCLP ANALYTICAL ATTACHED

Customer Restrictions: Yes No

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if there is a discrepancy between the waste received and any information supplied on this form, that either Safety-Kleen or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between Safety-Kleen and the generator, that this profile certification may be amended accordingly; and that additional expenses incurred by Safety-Kleen in order to manage the waste in accordance with Federal, State, and Local regulatory requirements will be the sole responsibility of the generator, including the return of the material to the generator at generator's expense.

Generator Signature: X Printed Name and Title: BOB BAUMGARTNER - EH & S MANAGER Date: 2/4/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 118305/FERN 2

SK, Cust: TRANSCANADA

Lot #: C1A170436

Safety-Kleen

Safety-Kleen Systems, Inc

PO Box 7813

Ocala, FL 34478-7813

TESTAMERICA LABORATORIES, INC.


Kathryn L. Bort
Project Manager

January 24, 2011

CASE NARRATIVE

Safety-Kleen

Lot # C1A170436

Sample Receiving:

TestAmerica's Pittsburgh laboratory received one sample on January 17, 2011. The sample was received at 2.6°C.

TCLP GC/MS Volatiles:

There were no problems associated with the analysis.

TCLP Metals:

There were no problems associated with the analysis.

General Chemistry:

There were no problems associated with the analysis.

METHODS SUMMARY

C1A170436

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Flashpoint at 140 degF	SW846 1020B	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 1311/7470
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 1311/3010
Volatile Organics by GC/MS	SW846 8260B	SW846 1311/5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C1A170436

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLED DATE</u>	<u>SAMP TIME</u>
MDD5F	001	FERN 2	01/12/11	15:00

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, color, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SK,Cust:TRANSCANADA

118305/FERN 2

Lab Name: TESTAMERICA PITTSBURGH
Client Name: Safety-Kleen Systems, Inc.
Matrix: SOLID

Lot Number: C1A170436
Date Received: 1/17/2011
Date Sampled: 1/12/2011

GC/MS Volatile Organics in TCLP Leachate

Client Sample ID	FERN 2	Sample Number	Analysis Date	Method Reference	Reg. Units	MDL	Result
EPA Name #	Analyte	001			mg/L	mg/L	mg/L
D029	1,1-Dichloroethene		1/20/2011	SW846 8260B	0.7	0.043	<0.20
D028	1,2-Dichloroethane		1/20/2011	SW846 8260B	0.5	0.038	<0.20
D027	1,4-Dichlorobenzene		1/20/2011	SW846 8260B	7.5	0.021	<0.20
D018	Benzene		1/20/2011	SW846 8260B	0.5	0.040	<0.20
D019	Carbon tetrachloride		1/20/2011	SW846 8260B	0.5	0.043	<0.20
D021	Chlorobenzene		1/20/2011	SW846 8260B	100	0.021	<0.20
D022	Chloroform		1/20/2011	SW846 8260B	6	0.040	<0.20
D035	Methyl ethyl ketone		1/20/2011	SW846 8260B	200	0.043	<0.20
D039	Tetrachloroethene		1/20/2011	SW846 8260B	0.7	0.033	<0.20
D040	Trichloroethene		1/20/2011	SW846 8260B	0.5	0.032	<0.20
D043	Vinyl chloride		1/20/2011	SW846 8260B	0.2	0.052	<0.20

SK,Cust:TRANSCANADA

118305/FERN 2

Lab Name: TESTAMERICA P TTTSBURGH
 Client Name: Safety-Kleen Systems, Inc.
 Matrix: SOLID

Lot Number: C1A170436
 Date Received: 1/17/2011
 Date Sampled: 1/12/2011

Metals in TCLP Leachate

Client Sample ID:	FERN 2	Sample Number	Analysis Date	Method Reference	Reg Limit	MDL	Result
EPA Waste #	Analyte	001			mg/L	mg/L	mg/L
D009	Mercury		1/19/2011	SW846 7470A	0.2	0.000038	<0.00020
D004	Arsenic		1/20/2011	SW846 6010B	5	0.0022	0.81
D005	Barium		1/20/2011	SW846 6010B	100	0.00050	0.31
D008	Cadmium		1/20/2011	SW846 6010B	1	0.00024	<0.050
D007	Chromium		1/20/2011	SW846 6010B	5	0.00084	<0.050
D008	Lead		1/20/2011	SW846 6010B	5	0.0014	<0.050
D010	Selenium		1/20/2011	SW846 6010B	1	0.0021	<0.050
D011	Silver		1/20/2011	SW846 6010B	5	0.00058	<0.050

General Chemistry

Client Sample ID:	FERN 2	Sample Number	Analysis Date	Method Reference	Reg Limit	MDL	Result
EPA Waste #	Analyte	001			deg F	deg F	deg F
D001	Flashpoint at 140 degF		1/18/2011	SW846 1020B			>140

SAFETY-KLEEN
WASTE MATERIAL PROFILE

PROFILE #: 40465775

Customer #: 10014341 Analytical Part #: _____
Sales Name: Kevin Gjoraas Employee #: 436054 Rep Email: kevin.gjoraas@safety-kleen.com Location/Branch #: 7123 - BR Sioux Falls

A. CUSTOMER INFORMATION

Check if Billing Same

Generator TRANSCANADA KEYSTONE PIPELINE Billing Company _____
Facility Address (No P.O. Box) 41461 144TH ST Billing Address _____
City/State/Zip ANDOVER / SD / 57442 City/State/Zip _____
Technical Contact BOB BAUMGARTNER Billing Contact _____
Phone 402-492-7464 FAX _____ Phone _____ FAX _____
Email _____ Email _____
 CESQG SQG LQG EPA ID# CESQG State ID# _____

B. SHIPPING INFORMATION

US DOT Shipping Name _____
Hazardous Class/Division # _____ UN/NA # _____ Packing Group _____ RQ _____
Size 55 - GALLONS Container Type STEEL Quantity 7 Frequency ONE-TIME ONLY

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material SPILL CLEAN UP - FERN 1
Process Generating the Material SPILL CLEAN UP
Yes No Yes No
 Regulated or Licensed Radioactive Waste Contains UHCs/Constituents of Concern: List in section D
 Regulated Medical/Infectious Waste Exempt Waste: If yes, list ref. 40 CFR _____
 Waste Subject to Benzene NESHAP regulations
 TSCA Regulated PCB Waste: List PCB level in section D State Hazardous Waste: List Codes _____
 Regulated Ozone Depleting Substance EPA Hazardous Waste: List Codes _____
 CERCLA Regulated (Superfund) Waste Source Code G _____ Form Code W _____

D. MATERIAL COMPOSITION

(Range Total > or = 100%) or ppm

WATER/SNOW	10 - 40%
DEBRIS OIL	20 - 50%
PLASTIC BAGS	20 - 50%
SAND/DIRT	10 - 30%
<input type="checkbox"/> Supporting documentation attached	Total: 100%

E. REACTIVE CHARACTERISTICS

Yes No Oxidizer
Yes No React. Sulfides _____ ppm Yes No Shock/Explosive
Yes No React. Cyanides _____ ppm Yes No Polymerizable
Yes No Water/Air (Pyrophoric) React. Yes No Other-Comments
Elemental Constituents (ppm):
 No detectable Elements Sb NR As NR Ba NR
Be NR Cd NR Cr NR Pb NR Hg NR
Ni NR Se NR Ag NR Tl NR V NR
Metals Data based on: TCLP Total Analysis Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: _____ pH Range: ≤2
 73-<100 100-141 >2-4 >4-10
 142-<200 ≥200 >10-<12.5 ≥12.5
Phases 2 % Liquid 10 - 40% Viscosity cps 30,001 - 50,000
% Sludge _____ % Solid 30 - 70% % Halogens _____
BTU's/lb: <5000 Specific Gravity: >1

G. COMMENTS

TCLP ANALYTICAL ATTACHED

Customer Restrictions: Yes No

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if there is a discrepancy between the waste received and any information supplied on this form, that either Safety-Kleen or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between Safety-Kleen and the generator; that this profile certification may be amended accordingly; and that additional expenses incurred by Safety-Kleen in order to manage the waste in accordance with Federal, State, and Local regulatory requirements will be the sole responsibility of the generator, including the return of the material to the generator at generator's expense.

Generator Signature: X Printed Name and Title: ROBERT BAUMGARTNER - EH & S MANAGER Date: 2/4/2011

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 118305/FERN 1


SK, Cust: TRANSCANADA

Lot #: C1A170446

Safety-Kleen

Safety-Kleen Systems, Inc
PO Box 7813
Ocala, FL 34478-7813

TESTAMERICA LABORATORIES, INC.


Kathryn L. Bort
Project Manager

January 24, 2011

CASE NARRATIVE

Safety-Kleen

Lot # C1A170446

Sample Receiving:

TestAmerica's Pittsburgh laboratory received one sample on January 17, 2011. The sample was received at 2.6°C.

TCLP GC/MS Volatiles:

There were no problems associated with the analysis.

TCLP Metals:

There were no problems associated with the analysis.

General Chemistry:

There were no problems associated with the analysis.

METHODS SUMMARY

C1A170446

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
Flashpoint at 140 degF	SW846 1020B	
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A	SW846 1311/7470
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 1311/3010
Volatile Organics by GC/MS	SW846 8260B	SW846 1311/5030

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

CLA170446

<u>WO #</u>	<u>SAMPLE#</u>	<u>CLIENT</u>	<u>SAMPLE ID</u>	<u>SAMPLED</u>	<u>SAMP</u>
				<u>DATE</u>	<u>TIME</u>
MDD59	001	FERN	1	01/12/11	15:00

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SK,Cust:TRANSCANADA

118305/FERN 1

Lab Name: TESTAMERICA PITTSBURGH
 Client Name: Safety-Kleen Systems, Inc.
 Matrix: SOLID

Lot Number: C1A170446
 Date Received: 1/17/2011
 Date Sampled: 1/12/2011

GC/MS Volatile Organics in TCLP Leachate

Client Sample ID:	FERN 1	Sample Number	Analysis Date	Method Reference	Reg. Limit	MDL	Result
LPA Wash #	Analyte	001			mg/L	mg/L	mg/L
D029	1,1-Dichloroethene		1/20/2011	SW846 8260B	0.7	0.043	<0.20
D028	1,2-Dichloroethane		1/20/2011	SW846 8260B	0.5	0.038	<0.20
D027	1,4-Dichlorobenzene		1/20/2011	SW846 8260B	7.5	0.021	<0.20
D018	Benzene		1/20/2011	SW846 8260B	0.5	0.040	<0.20
D019	Carbon tetrachloride		1/20/2011	SW846 8260B	0.5	0.043	<0.20
D021	Chlorobenzene		1/20/2011	SW846 8260B	100	0.021	<0.20
D022	Chloroform		1/20/2011	SW846 8260B	6	0.040	<0.20
D035	Methyl ethyl ketone		1/20/2011	SW846 8260B	200	0.043	<0.20
D039	Tetrachloroethene		1/20/2011	SW846 8260B	0.7	0.033	<0.20
D040	Trichloroethene		1/20/2011	SW846 8260B	0.5	0.032	<0.20
D043	Vinyl chloride		1/20/2011	SW846 8260B	0.2	0.052	<0.20

SK,Cust:TRANSCANADA

118305/FERN 1

Lab Name: TESTAMERICA PITTSBURGH
 Client Name: Safety-Kleen Systems, Inc.
 Matrix: SOLID

Lot Number: C1A170446
 Date Received: 1/17/2011
 Date Sampled: 1/12/2011

Metals in TCLP Leachate

Client Sample ID	FERN 1	Sample Number	Analysis Date	Method Reference	Reg Limit	MDL	Result
EPA Waste #	Analyte	001			mg/L	mg/L	mg/L
D009	Mercury		1/19/2011	SW846 7470A	0.2	0.000038	<0.00020
D004	Arsenic		1/20/2011	SW846 6010B	5	0.0022	0.17
D005	Barium		1/20/2011	SW846 6010B	100	0.00050	0.31
D006	Cadmium		1/20/2011	SW846 6010B	1	0.00024	<0.050
D007	Chromium		1/20/2011	SW846 6010B	5	0.00084	<0.050
D008	Lead		1/20/2011	SW846 6010B	5	0.0014	<0.050
D010	Selenium		1/20/2011	SW846 6010B	1	0.0021	<0.050
D011	Silver		1/20/2011	SW846 6010B	5	0.00058	<0.050

General Chemistry

Client Sample ID	FERN 1	Sample Number	Analysis Date	Method Reference	Reg Limit	MDL	Result
EPA Waste #	Analyte	001			deg F	deg F	deg F
D001	Flashpoint at 140 degF		1/18/2011	SW846 1020B			>140

Safety-Kleen Systems, Inc.

5360 Legacy Drive.
Building 2, Suite 100
Plano, Texas 75024
800-669-5740
605-332-0231

REFERENCE NBR.

53273316

CUSTOMER# 10014341 TRANSCANADA KEYSTONE PIPELINE
41461 144TH ST
ANDOVER SD 57442
PHONE 402-492-7464

SRVC WEEK: 2011-8

SRVC DATE: 02/14/11 13:01

PURCHASE ORDER#

TAX EXEMPTION NBR

PRODUCT/SERVICES

SERVICE/ PRODUCT	QTY	UNIT PRICE	TAX	TOTAL CHARGE
40465775/ 875480 LANDF NON USDOT HAZMAT, N SERVICE TERM 7 WEEK PROMO NBR: 0	3.000	197.0000	35.46	626.46
# CONTS: 3 TSDF: 7407 MANIFEST#: 003826920fle FORM CD: US SK SHIP# 203205645 CNT#: 110208406594 QTY: 55 WT/VOL G PROFILE: 040465775SKDOT 202863 CNT#: 110208406595 QTY: 55 WT/VOL G PROFILE: 040465775SKDOT 202863 CNT#: 110208406596 QTY: 55 WT/VOL G PROFILE: 040465775SKDOT 202863				
40465778/ 875480 LANDF NON USDOT HAZMAT, N SERVICE TERM 7 WEEK PROMO NBR: 0	3.000	197.0000	35.46	626.46
# CONTS: 3 TSDF: 7407 MANIFEST#: 003826920fle FORM CD: US SK SHIP# 203205645 CNT#: 110208406598 QTY: 55 WT/VOL G PROFILE: 040465778SKDOT 202863 CNT#: 110208406599 QTY: 55 WT/VOL G PROFILE: 040465778SKDOT 202863 CNT#: 110208406600 QTY: 55 WT/VOL G PROFILE: 040465778SKDOT 202863				
8003369 DRUM, 55 O.H. MT-USED SERVICE TERM 52 WEEK	4.000	75.0000	18.00	318.00
100001 FEE, FUEL SURCHARGE	1.000	12.2600	0.74	13.00
TOTAL SERVICE/PRODUCTS		481.2600	89.66	1583.92
		TOTAL CHARGE		1583.92
		CREDITS		0.00
		TOTAL DUE		1583.92

UNPAID BALANCE THIS RECEIPT

1583.92

GENERATOR STATUS

0 - 220 lbs/month

Customer certifies that (i) the above-named materials are properly classified, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation and (ii) no material change has occurred either in the characteristics of the waste/material or in the process generating the waste/material. Customer agrees to pay the above charges and to be bound by the terms and conditions (1) set forth in (a) the General Terms and Conditions provided separately to Customer or (b) any SK agreement signed by Customer and SK, and (2) incorporated herein by reference. Unless otherwise indicated in the payment received section, SK is authorized to charge Customer's account for this transaction. Customer certifies that the individual signing this Service Acknowledgement is duly authorized to sign and bind Customer. The following provision is applicable to Safety-Kleen's parts cleaner and paint gun cleaner services: Customer agrees that it will not introduce any substance into the solvent or aqueous cleaning solution, including without limitation any hazardous waste or hazardous waste constituent, except to the extent such introduction is incidental to the normal use of the machine. Customer further agrees that it will not clean parts/paint guns that have been contaminated with or otherwise introduce polychlorinated biphenyls (PCB's), herbicides, pesticides, dioxins or listed hazardous waste into the solvent or aqueous cleaning solution. Safety-Kleen has the capacity and is permitted to accept, store, and/or reclaim the spent parts washer solvent; paint thinners, solvents and paints generated by customer; or dry cleaning filter cartridges, powder, and still residues containing perchloroethylene, petroleum naphtha, or trifluorotrchloroethane dry cleaning solvents. Safety-Kleen and customer agree that this agreement is intended to satisfy the requirements of 40 CFR 262.20(e). IN THE EVENT OF AN EMERGENCY CALL 24 HR EMERGENCY # 1-800-468-1760 (Safety-Kleen Contract # 94138)

X 

CUSTOMER / GENERATOR :Brad

LAST PAGE

www.safety-kleen.com

**SAFETY-KLEEN
WASTE MATERIAL PROFILE**

PROFILE #: 40465778

Customer #: 10014341 Analytical Part #: _____
 Sales Name: Kevin Gjoraas Employee #: 436054 Rep Email: kevin.gjoraas@safety-keen.com Location/Branch #: 7123 - BR Sioux Falls

A. CUSTOMER INFORMATION

Check if Billing Same

Generator TRANSCANADA KEYSTONE PIPELINE Billing Company _____
 Facility Address (No P.O. Box) 41461 144TH ST Billing Address _____
 _____ City/State/Zip _____
 City/State/Zip ANDOVER / SD / 57442 Billing Contact _____
 Technical Contact BOB BAUMGARTNER Phone _____ FAX _____
 Phone 402-492-7464 FAX _____ Email _____

CESQG SQG LQG

EPA ID# CESQG

State ID# _____

B. SHIPPING INFORMATION

US DOT Shipping Name _____
 Hazardous Class/Division # _____ UN/NA # _____ Packing Group _____ RQ _____
 Size 55 - GALLONS Container Type STEEL Quantity 3 Frequency ONE-TIME ONLY

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material SPILL CLEAN UP - FERN 2

Process Generating the Material SPILL CLEAN UP

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Regulated or Licensed Radioactive Waste	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Contains UHCs/Constituents of Concern: List in section D
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Regulated Medical/Infectious Waste	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Exempt Waste: If yes, list ref. 40 CFR _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Waste Subject to Benzene NESHAP regulations	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> State Hazardous Waste: List Codes _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> TSCA Regulated PCB Waste: List PCB level in section D	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> EPA Hazardous Waste: List Codes _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Regulated Ozone Depleting Substance	Source Code G _____ Form Code W _____		
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> CERCLA Regulated (Superfund) Waste			

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

WATER/SNOW	10 - 40%
DEBRIS OIL	20 - 50%
KITTY LITTER	1 - 30%
OILY ABSORBENTS	20 - 40%
SAND/DIRT	1 - 30%
<input type="checkbox"/> Supporting documentation attached	
Total:	100%

E. REACTIVE CHARACTERISTICS

Yes No Oxidizer
 Yes No React. Sulfides _____ ppm Yes No Shock/Explosive
 Yes No React. Cyanides _____ ppm Yes No Polymerizable
 Yes No Water/Air (Pyrophoric) React. Yes No Other-Comments
Elemental Constituents (ppm):
 No detectable Elements Sb NR As NR Ba NR
 Be NR Cd NR Cr NR Pb NR Hg NR
 Ni NR Se NR Ag NR Tl NR V NR
 Metals Data based on: TCLP Total Analysis Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: _____ pH Range: <= 2 > 4-10
 73-100 100-141 > 2-4 > 4-10
 142-200 > 200 > 10-12.5 > 12.5
 # Phases 2 % Liquid 10-30% Viscosity cps 10,001-50,000
 % Sludge _____ % Solid 40-80% % Halogens _____
 BTU's/lb: <6000 Specific Gravity: >1

G. COMMENTS

TCLP ANALYTICAL ATTACHED

Customer Restrictions: Yes No

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if there is a discrepancy between the waste received and any information supplied on this form, that either Safety-Kleen or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between Safety-Kleen and the generator; that this profile certification may be amended accordingly; and that additional expenses incurred by Safety-Kleen in order to manage the waste in accordance with Federal, State, and Local regulatory requirements will be the sole responsibility of the generator, including the return of the material to the generator at generator's expense.

Generator Signature: X [Signature] Printed Name and Title: BOB BAUMGARTNER - EH & S MANAGER Date: 2/4/2011

**SAFETY-KLEEN
WASTE MATERIAL PROFILE**

PROFILE #: 40465775

Customer #: 10014341 Analytical Part #: _____
Sales Name: Kevin Gjoraas Employee #: 438054 Rep Email: kevin.gjoraas@safety-kleen.com Location/Branch #: 7123 - BR Sioux Falls

A. CUSTOMER INFORMATION Check if Billing Same

Generator TRANSCANADA KEYSTONE PIPELINE Billing Company _____
 Facility Address (No P.O. Box) 41461 144TH ST Billing Address _____
 City/State/Zip ANDOVER / SD / 57442 City/State/Zip _____
 Technical Contact BOB BAUMGARTNER Phone _____ FAX _____
 Phone 402-492-7464 FAX _____ Email _____

CESQG SQG LQG EPA ID# CESQG State ID# _____

B. SHIPPING INFORMATION

US DOT Shipping Name _____
 Hazardous Class/Division # _____ UN/NA # _____ Packing Group _____ RQ _____
 Size 55 - GALLONS Container Type STEEL Quantity 7 Frequency ONE-TIME ONLY

C. GENERAL MATERIAL & REGULATORY INFORMATION

Name of Material SPILL CLEAN UP - FERN 1
 Process Generating the Material SPILL CLEAN UP

Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Regulated or Licensed Radioactive Waste	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Contains UHCs/Constituents of Concern: List in section D
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Regulated Medical/Infectious Waste	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Exempt Waste: If yes, list ref. 40 CFR _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waste Subject to Benzene NESHAP regulations			
<input type="checkbox"/>	<input checked="" type="checkbox"/>	TSCA Regulated PCB Waste: List PCB level in section D	<input type="checkbox"/>	<input checked="" type="checkbox"/>	State Hazardous Waste: List Codes _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Regulated Ozone Depleting Substance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Hazardous Waste: List Codes _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	CERCLA Regulated (Superfund) Waste	Source Code <u>G</u>	Form Code <u>W</u>	

D. MATERIAL COMPOSITION (Range Total > or = 100%) or ppm

WATER/SNOW	10 - 40%
DEBRIS OIL	20 - 50%
PLASTIC BAGS	20 - 50%
SAND/DIRT	10 - 30%
<input type="checkbox"/> Supporting documentation attached	Total: <u>100%</u>

E. REACTIVE CHARACTERISTICS

Yes No Oxidizer
 Yes No React. Sulfides _____ ppm Yes No Shock/Explosive
 Yes No React. Cyanides _____ ppm Yes No Polymerizable
 Yes No Water/Air (Pyrophoric) React. Yes No Other-Comments

Elemental Constituents (ppm):

No detectable Elements Sb NR As NR Ba NR
 Be NR Cd NR Cr NR Pb NR Hg NR
 Ni NR Se NR Ag NR Tl NR V NR

Metals Data based on: TCLP Total Analysis Generator Knowledge (no testing)

F. PHYSICAL CHARACTERISTICS

Flash Point: _____ pH Range: < >

73-<100 100-141 >2-4 >4-10
 142-<200 ≥200 >10-<12.5 ≥12.5

Phases 2 % Liquid 10-40% Viscosity cps 30,001-50,000
 % Sludge _____ % Solid 30-70% % Halogens _____
 BTU's/lb: <5000 Specific Gravity: >1

G. COMMENTS

TCLP ANALYTICAL ATTACHED

Customer Restrictions: Yes No

H. GENERATOR'S CERTIFICATION

I hereby certify that I am an authorized agent of the generator, and warrant on behalf of the generator that the information supplied on this form and on any attachments or supplements hereto is complete and accurate, and that all known or suspected hazards of the material(s) described herein have been disclosed. I agree that if there is a discrepancy between the waste received and any information supplied on this form, that either Safety-Kleen or the generator may initiate further testing and evaluation in accordance with the terms and conditions of the contract between Safety-Kleen and the generator; that this profile certification may be amended accordingly; and that additional expenses incurred by Safety-Kleen in order to manage the waste in accordance with Federal, State, and Local regulatory requirements will be the sole responsibility of the generator, including the return of the material to the generator at generator's expense.

Generator Signature: X [Signature] Printed Name and Title: ROBERT BAUMGARTNER - EH & S MANAGER Date: 2/4/2011

DESIGNATED FACILITY

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

18c. Signature of Alternate Facility (or Generator)

18b. Alternate Facility (or Generator)

18a. Discrepancy Indication Space

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

16. International Shipments

INT'L

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations, if export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.

14. Special Handling Instructions and Additional Information

GENERATOR

9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))

10. Containers	11. Total	12. Unit	13. Waste Codes
3	DM	g	NONE
3	DM	g	NONE

8. Designated Facility Name and Site Address

7. Transporter 2 Company Name

6. Transporter 1 Company Name

5. Generator's Name and Mailing Address

1. Generator ID Number

2. Page 1 of 1

3. Emergency Response Phone

4. Manifest Tracking Number