



Industrial Services Group
Western Region

RECEIVED

AUG 14 1998

CERTIFIED MAIL

August 13, 1998

Carla Skog
Washington State Department of Ecology
Toxics Cleanup Program, NWRO
3190 160th Ave., SE
Bellevue, WA 98008-5452

DEPT OF ECOLOGY

Re: Leaking Underground Storage Tank Final Cleanup Report for CHEMPRO located at 20245
76th Avenue South, Kent, WA

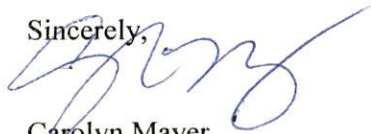
Dear Carla:

Philip received a certified letter from Lydia Cabeza of Ecology's Olympia office on August 10, 1998. In this correspondence, Lydia indicated that Ecology has not received a Cleanup Report for two underground storage tanks that were removed from Philip's Kent plant in 1991. It is my understanding that the Department of Ecology should have received the final cleanup report for the two underground storage tanks from Philip's Kent facility, since I found a copy of the report in Philip's internal administrative record. Nevertheless, I have attached the report for your records.

In addition, Philip has no evidence that these tanks were leaking. In fact, enclosed is a tank certification stating the tanks met the leak rate criteria set by USEPA in January 1990, only one year before the tanks were removed.

If you have further questions or require more information, please do not hesitate to contact me at (425) 227-6121.

Sincerely,



Carolyn Mayer
Corrective Actions Manager

Enclosures

Combining the Strengths of Philip Services Corp., Allwaste and Serv-Tech





A Burlington
Environmental Inc.
Company

"Kent US" File

17 September, 1990

RECEIVED
AUG 14 1990
DEPT. OF ECOLOGY

Joyce Smith
Washington Department of Ecology
UST Data Management Unit, PV-11
Olympia, WA 98504-8711

Dear Ms. Smith:

Pursuant to our phone conversation on September 17, 1990, regarding the corrections being made to the Underground Storage Tank Notification Form for Chemical Processors, Inc., Kent Facility, I am enclosing a corrected version of the notification which was filed by Chemical Processors, Inc. on November 17, 1989. Please make note, the only corrections being made are the volumes of the Unleaded and Leaded Gasoline storage tanks. The volumes for these two tanks are being revised from 10,000 gallons to 5,000 gallons, based on information which was provided to Puget Sound Air Pollution Control Agency on February 5, 1980, by Crosby and Overton, then the operators of the Kent Facility.

All other information on this notification form appears to be correct according to the historical records on the UST's at the Chempro Kent facility.

If you have any questions regarding these Notification Forms, please contact me at (206) 223-0500.

Sincerely,

Bill Habenicht
Compliance Specialist
Chemical Processors, Inc.

Attachments

cc: R. Lee (Kent)
B. Wilt (Kent)

CHEMICAL PROCESSORS, INC.

2203 Airport Way South . Suite 400 • Seattle, Washington 98134
(206) 223-0500 • FAX: 223-7791



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Environmental Inc.
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AUG 14 1998
DEPT. OF ECOLOGY

October 23, 1990

Storage Tank Unit
Department of Ecology
M/S PV-11
Olympia, WA 98504-8711

Chemical Processors, Inc. Kent Facility intends to permanently close, by removal, 3 ea. underground storage tanks, located at 20245 76th Ave. S., Kent, Wa. 98032-1362. Site # 100079.

Tanks were taken out of service on 10-1-90, locked out and pumped of residual fuel.

Closure will be accomplished in accordance with all Federal, State and local regulations.

Closure will commence on or about 11-26-90.

Chemical Processors, Inc.
Kent Plant

A handwritten signature in cursive script, appearing to read "R. W. Lee".

R. W. Lee
Plant Manager

RWL/lac
cc: Chempro Regulatory Affairs
Bill Habenicht

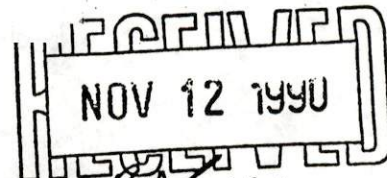
CHEMICAL PROCESSORS, INC.

20245 76th Avenue • Kent, Washington 98032
(206) 872-8030 • FAX: (206) 395-0377



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Mail Stop PV-11 • Olympia, Washington 98504-8711 • (206) 459-6000



RECEIVED

November 5, 1990

AUG 14 1998

DEPT. OF ECOLOGY

Mr. R.W. Lee
Chempro Processors, Inc.
20245 76th Avenue
Kent, WA 98032

Dear Mr. Lee:


This is to acknowledge receipt of your 30-day notice of intent to close underground storage tank(s) located at 20245 76th Avenue South, Kent, Washington.

We received your letter on October 29, 1990.

Your 30-day notice has been forwarded to the appropriate regional office. Field people with the Underground Storage Tank Program may visit your site within the 30-day period. However, with the many tank closures now taking place, it will not be possible to visit every site. If you have not been contacted by the time thirty days have elapsed from the date we received your notice letter (noted above), you may proceed with closure.

If you did not request a full closure packet, but would like to receive one, you may do so by calling 1-800-826-7716 (in Washington state only) or 206-459-6293. This closure packet contains a form entitled "Notice of Permanent Closure of Underground Storage Tank(s)". For your convenience, we have enclosed a copy of this form. Please complete this form and return it to the Department of Ecology when tank closure is complete.

Sincerely,


Sue L. Simms
Regulatory Specialist

SLS:sd

Enclosure



REPORT ON REMOVAL OF UST'S
AT CHEMPRO KENT FACILITY
JANUARY 1991

RECEIVED

AUG 14 1998

DEPT. OF ECOLOGY

Introduction:

In late 1990, Chemical Processors, Inc., Kent facilities manager contacted the Seattle office and requested Chempro Field Services to remove three underground storage tanks from the Kent facility. On October 23, 1990 a 30 day notice letter for removal was sent to the storage tank unit of the Washington State Department of Ecology. This letter was acknowledged on November 5, 1990. The tanks were installed in 1980 and consisted of one 10,000 gallon gasoline and one 5,000 gallon regular gasoline. Chempro field service crews were mobilized to the site for UST removal operations on January 21, 1991. + 1-10000
02/22/91

Site Work:

The UST's were located West of the main shop and warehouse building (see figure /). The site was paved with 9 inches reinforced concrete. This pavement was cut up with a diamond saw to open a 40' X 45' area over the tanks.

A komatsu 200 track hoe was used to remove soil and concrete rubble. The tanks were inerted by a marine chemist before being removed from the ground.

The tanks were moved to the South parking lot and under the close watch of the marine chemist, cut and cleaned of all flammable materials. The tanks were then certified by the chemist and transported to a local scrap metal dealer for disposal.

After the removal of the 5,000 gallon gasoline tank, contamination was noted on the ground water (approximately 10' down). The tank was examined thoroughly after cleaning and was not found to have any holes or indications of leakage.

The excavation was pumped dry and five yards of contaminated soil removed. No additional product was found. Samples were taken throughout the excavation, tailings pile and contaminated soil. Samples 1-14 (see lab analysis). Records show the fuel pump above this tank had a leaking filter at one time and could have been the source of the contamination.

Composites were made of the samples taken around each tank. Analysis indicated TPH contamination. One sample taken at the North end of the center tank was extremely high. This area was visibly stained. The contamination appeared to be coming from a joint in the storm drain. This storm drain carries the runoff from the vehicle parking lot to the treatment plant. It is believed this storm line was the source of most of the contamination. All other samples had varying degrees of TPH

contamination. Further excavating, 700 c.y., was done and final analysis showed that all contaminated soils had been removed (see lab analysis 15-27). The excavation was then backfilled with clean fill brought in from off site. Lab analysis 28 is from the soil that had been excavated and stockpiled.

The contaminated soil was spread on plastic for land farming purposes. All water pumped from the excavation was treated by Chempro's on site plant.

Two monitoring well's #9 and #10 were removed after the completion of the tank removal and remediation.



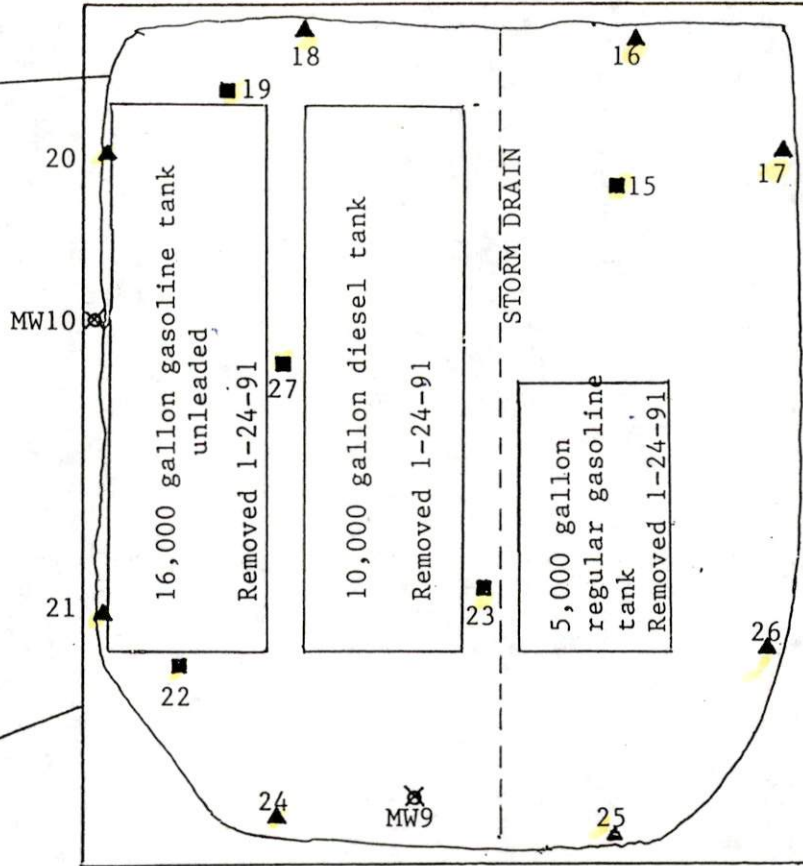
Jerry Olson
Operations Supervisor

JO/jh

CHAIN LINK FENCE

MW11

LIMIT OF SOIL EXCAVATION



LIMIT OF CONCRETE/ ASPHALT REMOVAL

OFFICE AND WAREHOUSE BUILDING



0 5 10
FEET

EXPLANATION

- ▲ =PIT WALL SAMPLE 8-10' DEEP
- =PIT FLOOR SAMPLE 14' DEEP
- =MONITOR WELL
- ⊗ =MONITOR WELL-REMOVED AND CLOSED

SAMPLES 15 THRU 27 <10PPM TPH

CHEMPRO FIELD SERVICES

CHEMPRO KENT FACILITIES
KENT, WASHINGTON

UNDERGROUND STORAGE TANK REMOVAL

DATE: 2-15-91

Drawn by JO

Date 2-91 Figure No. 1

General Laboratory Report

Lab Number : 30151
Plant/Generator Name : F.S. Seattle; Kent Plant Project; 91S060
Sample Type : Soil samples
Date of Receipt : 01/25/91 Analyst:
Date of Report : 01/31/91 QC Checked: _____
Parameters for Analysis: TPH by Method 8015M, and BETX by Method 8020
Outside Lab : Sound/ARI Outside Lab Report No: 15704/7672

Data:

These samples were submitted to Sound Analytical Services for TPH analysis Modified Method 8015 and to Analytical Resources, Inc. for BETX analysis Method 8020. Copies of the results are attached.

Comments and Conclusions:



BURLINGTON ENVIRONMENTAL, INC.

Chempro Division
2203 Airport Way South, Suite 400
Seattle, WA 98134

206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 1-25-91 PAGE 1 OF 3

PROJECT <u>Chempro-Kent # 915060</u>		ANALYSIS REQUESTED										OTHER (Specify)	
CLIENT INFO. CONTACT <u>Dick Lee</u>													
CHEMPRO DIVISION/GENERATOR NAME <u>Seattle/Chempro</u>													
TELEPHONE # <u>682-4894</u>													
SAMPLERS NAME <u>Jerry Olson</u> PHONE # <u>954-1831</u>													
SAMPLERS SIGNATURE <u>Jerry Olson</u>													

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. <u>Chempro-Kent 1445</u>	<u>1-25</u>	<u>1200</u>	<u>30151-1</u>	<u>Soil</u>				X								1		
2. <u>" Comp 2, 6 & 10</u>	}	}	<u>30151-2</u>				X									1		
3. <u>" Comp 3, 7, 8 & 11</u>			<u>30151-3</u>				X										1	
4. <u>" 9</u>			<u>30151-4</u>			X	X										2	
5. <u>" 12</u>			<u>30151-5</u>			X	X										2	
6. <u>" 13</u>			<u>30151-6</u>			X	X										2	
7. <u>" 14</u>			<u>30151-7</u>			X	X										2	
8. <u>" 1</u>			<u>30151-8</u>				X										1	

RUSH

Relinquished By <u>Jerry Olson</u>		Relinquished By		Relinquished By		SPECIAL INSTRUCTIONS/COMMENTS:											
Signature <u>Jerry Olson</u>		Signature		Signature													
Printed Name <u>Chempro</u>		Printed Name		Printed Name													
Firm <u>1-28-91 1005</u>		Firm		Firm													
Date/Time		Date/Time		Date/Time													
Received By <u>Cameron LeMaster</u>		Received By		Received By													
Signature <u>Cameron LeMaster</u>		Signature		Signature													
Printed Name <u>Chempro</u>		Printed Name		Printed Name													
Firm <u>1-28-91 10:13</u>		Firm		Firm													
Date/Time		Date/Time		Date/Time													

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS
 4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: Chempro - Seattle

Date: January 30, 1991

Report On: Analysis of Soil

Lab No.: 15704

IDENTIFICATION:

Samples Received on 01-28-91

Project: 915060

P.O. No: 52936

ANALYSIS:

<u>Lab Sample No.</u>	<u>Client ID</u>	<u>*Total Petroleum Fuel Hydrocarbons, ppm</u>
RUSH 1	30151-1	133 Gas - Diesel
RUSH 2	30151-2	271 Diesel
RUSH 3	30151-3	405 Gas - Diesel
RUSH 4	30151-4	187 Diesel
RUSH 5	30151-5	259 Diesel
RUSH 6	30151-6	100 Diesel
RUSH 7	30151-7	29,130 Diesel

*TPH by EPA SW-846 Modified Method 8015

Note - Results reported on an as recieved, wet basis.

SOUND ANALYTICAL SERVICES

[Signature]
 C. LARRY ZURAF



BURLINGTON ENVIRONMENTAL, INC.

Chempro Division
2203 Airport Way South, Suite 400
Seattle, WA 98134

206-223-0500 • FAX: 223-7791

Chain of Custody/
Laboratory Analysis Request

DATE 1-25-91 PAGE 2 OF 3

PROJECT Chempro Kent # 915060
CLIENT INFO. CONTACT Dick Lee
CHEMPRO DIVISION/GENERATOR NAME Chempro
TELEPHONE # 682-4891
SAMPLERS NAME Jerry Olson PHONE # 954-1881
SAMPLERS SIGNATURE Jerry Olson

Table with columns: SAMPLE I.D., DATE, TIME, LAB I.D., TYPE, ANALYSIS REQUESTED (BASE/NEU/ACID ORGAN., VOLATILE ORGANICS, PCB's, TPH, BETX, F-LISTED SOLVENTS, TCLP F-LISTED SOLVENTS, TCLP METALS, METALS (TOTAL), TCLP ORGANICS, DISCHARGE TESTING), NUMBER OF CONTAINERS, RECEIVED IN GOOD CONDITION?
Rows 1-8: Chempro - Kent 21-25 1260 30151-9 Soil, 3, 4, 5, 6, 7, 8, 10

Relinquished By: Jerry Olson, Signature: Jerry Olson, Printed Name: Chempro, Firm: 1-28-91 1005
Received By: Tamara LeMaster, Signature: Tamara LeMaster, Printed Name: Chempro, Firm: 1-28-91 10:12
SPECIAL INSTRUCTIONS/COMMENTS: RUSH



BURLINGTON ENVIRONMENTAL, INC.

Chempro Division
2203 Airport Way South, Suite 400
Seattle, WA 98134

206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 1-25-91 PAGE 3 OF 3

PROJECT <u>Chempro Kent # 915060</u>	ANALYSIS REQUESTED	OTHER (Specify)
CLIENT INFO. CONTACT <u>Dick Lee</u>		
CHEMPRO DIVISION/GENERATOR NAME <u>Chempro</u>		
TELEPHONE # <u>682-4848</u>		
SAMPLERS NAME <u>Jerry Olson</u> PHONE # <u>954-1881</u>		
SAMPLERS SIGNATURE <u>Jerry Olson</u>		

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Tl, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. <u>Chempro Kent # 11</u>	<u>1-25</u>	<u>1200</u>	<u>30157-17</u>	<u>Soil</u>					<u>X</u>								<u>1</u>	
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		

RUSH

Relinquished By <u>Jerry Olson</u>	Relinquished By	Relinquished By
Signature <u>Jerry Olson</u>	Signature	Signature
Printed Name <u>Chempro</u>	Printed Name	Printed Name
Firm <u>1-28-91 1005</u>	Firm	Firm
Date/Time	Date/Time	Date/Time
Received By <u>Lambera Lemaster</u>	Received By	Received By
Signature <u>Lambera Lemaster</u>	Signature	Signature
Printed Name <u>CHEMPRO</u>	Printed Name	Printed Name
Firm <u>1-28-91 10:12</u>	Firm	Firm
Date/Time	Date/Time	Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:



BURLINGTON ENVIRONMENTAL, INC.

Chempro Division
2203 Airport Way South, Suite 400
Seattle, WA 98134

206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

TO SAS

DATE 1-28-91 PAGE 1 OF 1

PROJECT <u>Chempro - Kent # 915060</u>				ANALYSIS REQUESTED										OTHER (Specify)										
CLIENT INFO. CONTACT <u>Chempro - Kathy Kreps</u>				BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING									NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
CHEMPRO DIVISION/GENERATOR NAME <u>F.S. Seattle</u>																								
TELEPHONE # <u>223-0500</u>																								
SAMPLERS NAME <u>Jerry Olson</u> PHONE # _____																								
SAMPLERS SIGNATURE _____																								

SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE	BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING								NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. Chempro Kent 1, 4, 5			30151-1	Soil comp				X																1	
2. Chempro Kent 2, 6, 10			30151-2	↓				X																1	
3. Chempro Kent 3, 7, 8, 11			30151-3	↓				X																1	
4. Chempro Kent 9			30151-4	Soil				X																1	
5. Chempro Kent 12			30151-5	↓				X																1	
6. Chempro Kent 13			30151-6	↓				X																1	
7. Chempro Kent 14			30151-7	↓				X																1	
8.																									

Relinquished By <u>Kathy Kreps</u> Signature <u>KATHY KREPS</u>	Relinquished By Signature	Relinquished By Signature	SPECIAL INSTRUCTIONS/COMMENTS: <u>PLEASE RUSH</u>
Printed Name <u>CHEMPRO</u>	Printed Name	Printed Name	
Firm <u>1/28/91 1:30pm</u>	Firm	Firm	
Date/Time	Date/Time	Date/Time	
Received By	Received By	Received By	
Signature	Signature	Signature	
Printed Name	Printed Name	Printed Name	
Firm	Firm	Firm	
Date/Time	Date/Time	Date/Time	


**ANALYTICAL
RESOURCES
INCORPORATED**

 Analytical
Chemists &
Consultants

**ORGANICS ANALYSIS DATA SHEET - Method 602/8020
BETX by GC-PID**

 Matrix: Soil/Sediments
Level: Low

 QC Report No: 7672-Chempro
Project: 91SO60-Kent

 333 Ninth Ave. North
Seattle, WA 98109-518
(206) 621-6490
(206) 621-7523 (FAX)

Date Received: 01/29/91

 Data Release Authorized: Ann M. Lefter
Report prepared: 01/30/91 - MAC:D jv

Sample No.	Method Blk.	Method Blk.	30151-4	30151-5	30151-6	
ARI ID	MB1/29	MB1/30	7672 A	7672 B	7672 C	
Date Analyzed	01/29/91	01/30/91	01/29/91	01/30/91	01/30/91	
Amt Analyzed	0.10 g equiv	0.10 g equiv	0.077 g	0.080 g	0.093 g	
CAS Number	Units	Units	Units	Units	Units	
71-43-2	Benzene	50 U	50 U	65 U	62 U	54 U
108-88-3	Toluene	50 U	50 U	65 U	62 U	54 U
100-41-4	Ethylbenzene	50 U	50 U	65 U	62 U	54 U
1330-20-7	Total Xylenes	100 U	100 U	110 J	270	110 U
	Trifluorotoluene	95.6%	100%	89.9%	98.3%	87.7%
	Bromobenzene	88.1%	96.6%	82.9%	99.3%	87.0%

Sample No.	30151-7	30151-8	30151-9	30151-10	30151-11	
ARI ID	7672 D	7672 E	7672 F	7672 G	7672 H	
Date Analyzed	01/29/91	01/29/91	01/29/91	01/29/91	01/29/91	
Amt Analyzed	0.076 g	0.081 g	0.080 g	0.080 g	0.075 g	
CAS Number	Units	Units	Units	Units	Units	
71-43-2	Benzene	66 U	62 U	62 U	63 U	67 U
108-88-3	Toluene	90	62 U	62 U	63 U	67 U
100-41-4	Ethylbenzene	100	62 U	62 U	63 U	67 U
1330-20-7	Total Xylenes	1400	120 U	120 U	130 U	130 U
	Trifluorotoluene	94.5%	92.0%	88.9%	90.0%	88.9%
	Bromobenzene	110%	95.0%	90.2%	90.6%	89.6%

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected at the given detection limit.

J Indicates an estimated value when result is less than specified detection limit.

B

This flag is used when the analyte is found in the blank as well as a sample. Indicates possible/probable blank contamination.

K

This flag is used when quantitated value falls above the limit of the calibration curve and dilution should be run.

NR

Analysis not required.



**ANALYTICAL
RESOURCES
INCORPORATED**

Analytical
Chemists &
Consultants

333 Ninth Ave. North
Seattle, WA 98109-5187
(206) 621-6490
(206) 621-7523 (FAX)

**ORGANICS ANALYSIS DATA SHEET - Method 602/8020
BETX by GC-PID**

Matrix: Soil/Sediments
Level: Low

QC Report No: 7672-Chempro
Project: 91SO60-Kent

Date Received: 01/29/91

Data Release Authorized: John P. Uffner
Report prepared: 01/30/91 - MAC:D JV

Sample No.		30151-12	30151-13	30151-14	30151-15	30151-16
ARI ID		7672 I	7672 J	7672 K	7672 L	7672 M
Date Analyzed		01/29/91	01/29/91	01/29/91	01/29/91	01/30/91
Amt Analyzed		0.071 g	0.090 g	0.073 g	0.078 g	0.086 g
Units		µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
CAS Number						
71-43-2	Benzene	71 U	56 U	68 U	64 U	58 U
108-88-3	Toluene	71 U	56 U	68 U	64 U	58 U
100-41-4	Ethylbenzene	71 U	56 U	68 U	64 U	58 U
1330-20-7	Total Xylenes	140 U	110 U	140 U	130 U	120 U
	Trifluorotoluene	85.0%	83.7%	83.4%	89.3%	86.6%
	Bromobenzene	84.5%	83.4%	82.7%	88.3%	89.4%

Sample No.		30151-17
ARI ID		7672 N
Date Analyzed		01/30/91
Amt Analyzed		0.082 g
Units		µg/kg
CAS Number		
71-43-2	Benzene	61 U
108-88-3	Toluene	61 U
100-41-4	Ethylbenzene	61 U
1330-20-7	Total Xylenes	120 U
	Trifluorotoluene	85.3%
	Bromobenzene	88.8%

Value If the result is a value greater than or equal to the detection limit, report the value.

U Indicates compound was analyzed for but not detected at the given detection limit.

J Indicates an estimated value when result is less than specified detection limit.

B : This flag is used when the analyte is found in the blank as well as a sample. Indicates possible/probable blank contamination.

K This flag is used when quantitated value falls above the limit of the calibration curve and dilution should be run.

NR Analysis not required.



BURLINGTON ENVIRONMENTAL, INC.
 Chempro Division
 2203 Airport Way South, Suite 400
 Seattle, WA 98134
 206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

TOAR1

DATE 1/29/91 PAGE 1 OF 2

PROJECT <u>CHEMPRO-KENT # 91S060</u>					ANALYSIS REQUESTED												OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
CLIENT INFO. CONTACT <u>Kathy Kreps</u>					BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCBs 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING							
CHEMPRO DIVISION/GENERATOR NAME <u>F.S. Seattle</u>																						
TELEPHONE # <u>223-0500</u>																						
SAMPLERS NAME _____ PHONE # _____																						
SAMPLERS SIGNATURE _____																						
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE																		
1. <u>Chempro-Kent-9</u>	<u>1/25/91</u>	<u>1200</u>	<u>30151-4</u>	<u>Soil</u>					X												1	
2. <u>Chempro-Kent-12</u>			<u>30151-5</u>						X												1	
3. <u>Chempro-Kent-13</u>			<u>30151-6</u>						X												1	
4. <u>Chempro-Kent-14</u>			<u>30151-7</u>						X												1	
5. <u>Chempro-Kent-1</u>			<u>30151-8</u>						X												1	
6. <u>Chempro-Kent-2</u>			<u>30151-9</u>						X												1	
7. <u>Chempro-Kent-3</u>			<u>30151-10</u>						X												1	
8. <u>Chempro-Kent-4</u>	↓	↓	<u>30151-11</u>	↓					X												1	

Relinquished By <u>Kathy Kreps</u> Signature <u>KATHY KREPS</u>	Relinquished By Signature	Relinquished By Signature	SPECIAL INSTRUCTIONS/COMMENTS: <u>Please rush. - asap</u>
Printed Name <u>CHEMPRO</u>	Printed Name	Printed Name	
Firm <u>1/28/91</u> <u>8:00am</u>	Firm	Firm	
Date/Time	Date/Time	Date/Time	
Received By	Received By	Received By	
Signature	Signature	Signature	
Printed Name	Printed Name	Printed Name	
Firm	Firm	Firm	
Date/Time	Date/Time	Date/Time	

General Laboratory Report

Lab Number : 30260
Plant/Generator Name : F.S. Seattle/ Kent Plant/ Project #91S060
Sample Type : Soil samples
Date of Receipt : 02/05/91 Analyst:
Date of Report : 02/08/91 QC Checked: *D*²
Parameters for Analysis: TPH by Modified Method 8015
Outside Lab : SAS Outside Lab Report No: 15839

Data:

These four samples were submitted to Sound Analytical Services, Inc. for PH analysis by Modified Method 8015. A copy of the results is attached.

Comments and Conclusions:

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: Chemrpo - Seattle

Date: February 7, 1991

Report On: Analysis of Soil

Lab No.: 15839

IDENTIFICATION:

Samples Received on 02-05-91

P.O. No. 52940

Project: 91S060

ANALYSIS:

<u>Lab Sample No.</u>	<u>Client ID</u>	<u>*Total Petroleum Fuel Hydrocarbons, ppm</u>
RUSH 1	Kent Plant 15 (30260-1)	< 10
RUSH 2	Kent Plant 16 (30260-2)	< 10
RUSH 3	Kent Plant 17 (30260-3)	< 10
RUSH 4	Kent Plant 18 (30260-4)	< 10

*TPH by EPA SW-846 Modified Method 8015

Note - Results reported on an as received, wet basis.

SOUND ANALYTICAL SERVICES

C. Larry Zuraw
C. LARRY ZURAW

BURLINGTON ENVIRONMENTAL, INC.
 Chempro Division
 2203 Airport Way South, Suite 400
 Seattle, WA 98134
 206-223-0500 • FAX: 223-7791

Chain of Custody/ Laboratory Analysis Request

DATE 2-4-91 PAGE 1 OF 1

PROJECT					ANALYSIS REQUESTED										OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
CLIENT INFO. CONTACT					BASE/NEU/ACID ORGAN. GC/MS/625/8270	VOLATILE ORGANICS GC/MS/624/8240	PCB's 608/8080	TPH (circle method) 418.1 or 8015	BETX (circle method) 8240 or 8020	F-LISTED SOLVENTS 8240	TCLP F-LISTED SOLVENTS 1311/8240	TCLP METALS D004-11	METALS (TOTAL) As, Ba, Cd, Cr, Cu, Pb, Ni, Hg, Ag, Se, Ti, Sb, Zn	TCLP ORGANICS (specify methods) • VOA's 8240 • BNA's 8270 • Pesticides 8080 • Herbicides 8150	DISCHARGE TESTING				
SAMPLE I.D.	DATE	TIME	LAB I.D.	TYPE															
1 Kent Plant 15	2-4	1400	30260-1	Soil				X										1	
2. " " 16	2-4	1430	-2					X										1	
3. " " 17	2-4		-3					X										1	
4. " " 18	2-4		-4					X										1	
5.																			
6.																			
7.																			
8.																			

RUSH-1 day

Relinquished By <i>Jerry Olson</i> Signature <i>Jerry Olson</i> Printed Name Chempro Firm 2-5-91 9:15 Date/Time	Relinquished By <i>Kathy Krep</i> Signature KATHY KREPS Printed Name CHEMPRO Firm 2/5/91 9:25 Date/Time	Relinquished By Signature Printed Name Firm Date/Time
Received By <i>Kathy Krep</i> Signature KATHY KREPS Printed Name CHEMPRO Firm 2/5/91 9:18 Date/Time	Received By Signature Printed Name Firm Date/Time	Received By Signature Printed Name Firm Date/Time

SPECIAL INSTRUCTIONS/COMMENTS:
please rush!

SOUND ANALYTICAL SERVICES, INC.

SPECIALIZING IN INDUSTRIAL & TOXIC WASTE ANALYSIS

4813 PACIFIC HIGHWAY EAST, TACOMA, WASHINGTON 98424 - TELEPHONE (206)922-2310 - FAX (206)922-5047

Report To: Chempro - Kent

Date: February 7, 1991

Report On: Analysis of Soil

Lab No.: 15844

IDENTIFICATION:

Samples Received on 02-06-91

P.O. No. K53628

Project: 91S060 Kent Plant

ANALYSIS:

<u>Lab Sample No.</u>	<u>Client ID</u>	<u>*Total Petroleum Fuel Hydrocarbons, ppm</u>
RUSH 1	Kent Plant 19	< 10
RUSH 2	Kent Plant 20	< 10
RUSH 3	Kent Plant 21	< 10
RUSH 4	Kent Plant 22	< 10
RUSH 5	Kent Plant 23	< 10
RUSH 6	Kent Plant 24	< 10
RUSH 7	Kent Plant 25	< 10
RUSH 8	Kent Plant 26	< 10
RUSH 9	Kent Plant 27	< 10

RUSH 10

Kent Plant 28

1,089
Diesel

*Stockpiled
Soil*

where on map? excavated & stockpiled soils.
*TPH by EPA SW-846 Modified Method 8015

Note - Results reported on an as received, wet basis.

SOUND ANALYTICAL SERVICES

C. Larry Zuraw
C. LARRY ZURAW



CITY OF KENT

CODE ENFORCEMENT DIVISION
220 4th Avenue South, Kent, WA 98032 (206) 859-3360

INFORMATION SHEET

CRITERIA FOR REMOVAL OF UNDERGROUND TANKS

Date: 2-88

A Fire Department permit is required for placing tanks out-of-service or for removing tanks. Multiple tanks at a single location may be covered by a single permit.

1. Tanks may be excavated only after Fire Department inspection. Call 24 hours prior to excavation to arrange for an inspection.
2. Submit a 8 1/2 x 11 site copy showing property lines, building foot print and dimensions to tank. Indicate size of tank(s) and destination. Fill out application and obtain Temporary Fire Department Permit.
3. Two fully charged 20 BC portable fire extinguishers are to be on the site within 50 feet of the operation.
4. Rope or ribbon barricades must be provided circling 10 feet from the operation or be enclosed in a fenced yard.
5. Approved "No Smoking" signs must be posted in readily visible locations.
6. Tank to be completely emptied of all flammable or combustible liquids prior to removal.
7. Any tank which has contained flammable or combustible liquids with a flash point of 200 F or less shall have the tank certified safe by a marine chemist or petroleum industry safety engineer regularly engaged in that business prior to excavation. No hot works allowed unless the tanks are certified safe.
8. To insure that the tank atmosphere has been inerted, one pound of dry ice (carbon dioxide) per 50 gallon liquids capacity of the tank must be inserted into the tank. (a 1,000 gallon tank would require 20 pounds dry ice.) This shall be done prior to the use of heavy equipment for excavating.



UNDERGROUND STORAGE TANK Permanent Closure/Change-In-Service Checklist

The purpose of this form is to certify the proper closure/change-in-service of underground storage tank (UST) systems. These activities must be conducted in accordance with Chapter 173.360 WAC. Washington State UST rules require the tank owner or operator to notify Ecology in writing 30 days prior to closure or change-in-service of tanks. This must be done by completing the 30 Day Notice form (ECY 010-155).

This Permanent Closure Checklist shall be completed and signed by a Licensed Decommissioning Supervisor. The supervisor shall be on site when all tank permanent closure/change-in-service activities are being conducted. The firm which employs the licensed supervisor shall also be licensed by the Washington State Department of Ecology as a Service Provider. If any of the activities listed below have been supervised by a different licensed supervisor, a separate checklist must be filled out and signed by the licensed supervisor performing those activities.

For further information about completing this form, please contact the Department of Ecology UST Program.

A separate checklist must be completed for each UST system (tank and associated piping), except that UST systems at one site may be reported together by completing page 2 of this form separately for each system. The completed checklist should be mailed to the following address within 30 days of the completion of the closure or change-in-service.

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

Site Owner/Operator: Chemical Processors, Inc.

Owners Address: 20245 76th Avenue South

Kent

WA

98032

Telephone: (206) 872-8030

Site ID Number (on invoice or available from Ecology if tank is registered): 100079

Site/Business Name: Chempro

Site Address: 20245 76th Avenue South

Kent

WA

King

98032

2. TANK PERMANENT CLOSURE/CHANGE-IN-SERVICE PERFORMED BY:

Firm: Chempro

License Number: S000313

Address: 7440 West Marginal Way South

Seattle

WA

98108

Telephone: (206) 682-4898

Licensed Supervisor: Jerome P. Olson

Decommissioning License Number: W000163

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): 100079 2. Year installed: 1980
3. Tank capacity in gallons: 10,000 4. Date of last use: 1990
5. Last substance stored: Diesel 6. Date of closure/change-in-service: 2-19-91
7. Type of closure: Closure with Tank Removal In-place Closure Change-in-Service
8. If in-place closure is used, the tank has been filled with the following substance: _____
9. If change-in-service, indicate new substance stored in tank: _____
10. Local permit(s) (if any) obtained from: Kent Fire Department

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes No

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	90		
2. Has all product piping been capped or removed?	90		
3. Have all non-product lines been capped or removed?	90		
4. Have all liquid and accumulated sludges been removed from the tank?	90		
5. Has the tank been properly purged or inerted?	90		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	90		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	90		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	90		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	90		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

2-25-91
Date

Jerome P. Olson
Signature of Licensed Supervisor

ADDITIONAL REQUIRED SIGNATURES

2-25-91
Date

Jerome P. Olson
Signature of Licensed Service Provider (firm) Owner or Authorized Representative

2/27/91
Date

Richard W. Lee Plant Manager
Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): 100079 2. Year installed: 1980
3. Tank capacity in gallons: 10,000 4. Date of last use: 1990
5. Last substance stored: Gasoline 6. Date of closure/change-in-service: 2-19-91
7. Type of closure: Closure with Tank Removal In-place Closure Change-in-Service
8. If in-place closure is used, the tank has been filled with the following substance: _____
9. If change-in-service, indicate new substance stored in tank: _____
10. Local permit(s) (if any) obtained from: Kent Fire Department

Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes No

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	90		
2. Has all product piping been capped or removed?	90		
3. Have all non-product lines been capped or removed?	90		
4. Have all liquid and accumulated sludges been removed from the tank?	90		
5. Has the tank been properly purged or inerted?	90		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	90		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	90		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	90		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	90		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

2-25-91 Jerome P. Olson
Date Signature of Licensed Supervisor

ADDITIONAL REQUIRED SIGNATURES

2-25-91 Jerome P. Olson
Date Signature of Licensed Service Provider (firm) Owner or Authorized Representative

2/27/91 Richard W. Lee Plant Manager
Date Signature of Tank Owner or Authorized Representative

This page must be completed separately for each tank permanently closed (decommissioned) or change-in-service at the site. For additional tanks you may photocopy this form prior to completing.

3. TANK CLOSURE/CHANGE-IN-SERVICE INFORMATION

1. Tank ID Number (as registered with Ecology): 100079 2. Year installed: 1980

3. Tank capacity in gallons: 5,000 4. Date of last use: 1990

5. Last substance stored: Gasoline 6. Date of closure/change-in-service: 2-19-91

7. Type of closure: Closure with Tank Removal In-place Closure Change-in-Service

8. If in-place closure is used, the tank has been filled with the following substance: _____

9. If change-in-service, indicate new substance stored in tank: _____

10. Local permit(s) (if any) obtained from: Kent Fire Department
Always contact local authorities regarding permit requirements.

11. Has a site assessment been completed? Yes No

Unless an external release detection system is operating at the time of closure or change in service, and a report is provided as specified in WAC 173-360-390, a site assessment must be conducted. This site assessment must be conducted by a person registered with the Department of Ecology to perform site assessments. Results of the site assessment must be included with the Site Assessment Checklist (ECY 010-158).

4. CHECKLIST

Each item of the following checklist shall be initialed by the licensed supervisor whose signature appears below.

	Yes	No	NA*
1. Has all liquid been removed from product lines?	90		
2. Has all product piping been capped or removed?	90		
3. Have all non-product lines been capped or removed?	90		
4. Have all liquid and accumulated sludges been removed from the tank?	90		
5. Has the tank been properly purged or inerted?	90		
6. Have the drop tube, fill pipe, gauge pipe, pumps and other tank fixtures been removed?	90		
7. Have all tank openings been plugged or capped? NOTE: One plug should have 1/8 inch vent hole.	90		
8. Have all sludges removed from the tank been designated and disposed of in accordance with the state of Washington's dangerous waste regulations (Chapter 173-303 WAC)?	90		
9. If removed, was tank properly labeled and disposed of in accordance with all applicable local, state and federal regulations?	90		

*Item not applicable

I hereby certify that I have been the licensed supervisor present on site during the above listed permanent closure activities and to the best of my knowledge they have been conducted in compliance with all applicable state and federal laws, regulations and procedures pertaining to underground storage tanks.

Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

2-25-91 Jerome P. Olson
 Date Signature of Licensed Supervisor

5. ADDITIONAL REQUIRED SIGNATURES

2-25-91 Jerome P. Olson
 Date Signature of Licensed Service Provider (firm) Owner or Authorized Representative

2/27/91 Richard W. Lee Plant Manager
 Date Signature of Tank Owner or Authorized Representative



UNDERGROUND STORAGE TANK Site Check/Site Assessment Checklist

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Chemical Processors, Inc.

Owners Address: 20245 76th Avenue South

Kent Street

WA City

WA State

98032 P.O. Box

ZIP-Code

Telephone: (206) 872-8030

Site ID Number (on invoice or available from Ecology if tank is registered): ~~100079~~ 006164 90

Site/Business Name: Chempro

Site Address: 20245 76th Avenue South

Kent Street

WA City

WA State

King County

98032 ZIP-Code

ZIP-Code

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: Jerome P. Olson

Address: 7440 West Marginal Way South

Seattle Street

WA City

WA State

98108 P.O. Box

ZIP-Code

Telephone: (206) 682-4898

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): 100079 2. Year installed: 1980
 3. Tank capacity in gallons: 5,000, 10,000, 10,000 4. Last substance stored: Gas, Gas, Diesel

4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

- Investigate suspected release due to on-site environmental contamination
- Investigate suspected release due to off-site environmental contamination
- Extend temporary closure of UST system for more than 12 months
- UST system undergoing change-in-service
- UST system permanently closed-in-place
- UST system permanently closed with tank removed
- Required by Ecology or delegated agency for UST system closed before December 22, 1988
- Other (describe): _____

5. CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	Yes	No
1. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	X 90	
2. Has a release from the UST system been confirmed? <i>NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.</i>	X 90	
3. Are the results of the site check/site assessment enclosed with this checklist? <i>NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.</i>	X 90	

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

2-19-91

Date

Jerome P. Olson

Signature of Person Registered with Ecology

6. OWNER'S SIGNATURE

2/27/91

Date

Richard W. Lee Plant Manager

Signature of Tank Owner or Authorized Representative

JENSEN TANK TESTING
1340 Leland Road West
Quilcene, WA 98376
(206) 765-3331

January 26, 1990

Richard Wade
CHEMPRO
20245 76th Ave South
Kent, WA 98032

Dear Mr. Wade,

Enclosed you will find the certification for your tank located at CHEMPRO, 20245 76th Ave South, Kent, WA. This tank tested within the 0.05 GPH leak rate criteria established by the National Fire Protection Association and also under the 0.10 GPH criteria set by USEPA. By taking daily inventory measures and monthly reconciliation, you are now in compliance with USEPA final regulations for 1990.

If you have any questions regarding the enclosed certification, please contact me at 765-3331.

Respectfully,



Jan Jensen
Co-Owner/Technician

RESULTS OF TANK TIGHTNESS TESTING FOR:

CHEMPRO
20245 76TH AVE SOUTH
KENT, WA 98032

TANK ID# 1 10,000 GALLON DIESEL

UNDERGROUND STORAGE TANK DATA SHEET

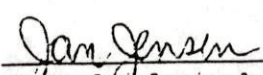
TANK(S) LOCATION: CHEMPRO
20245 76TH AVE SOUTH
KENT, WA 98032

TANK TESTING COMPANY: JENSEN TANK TESTING
1340 LELAND ROAD WEST
QUILCENE, WA 98376
(206) 755-3331

TANK ID# 1 10,000 GALLON DIESEL

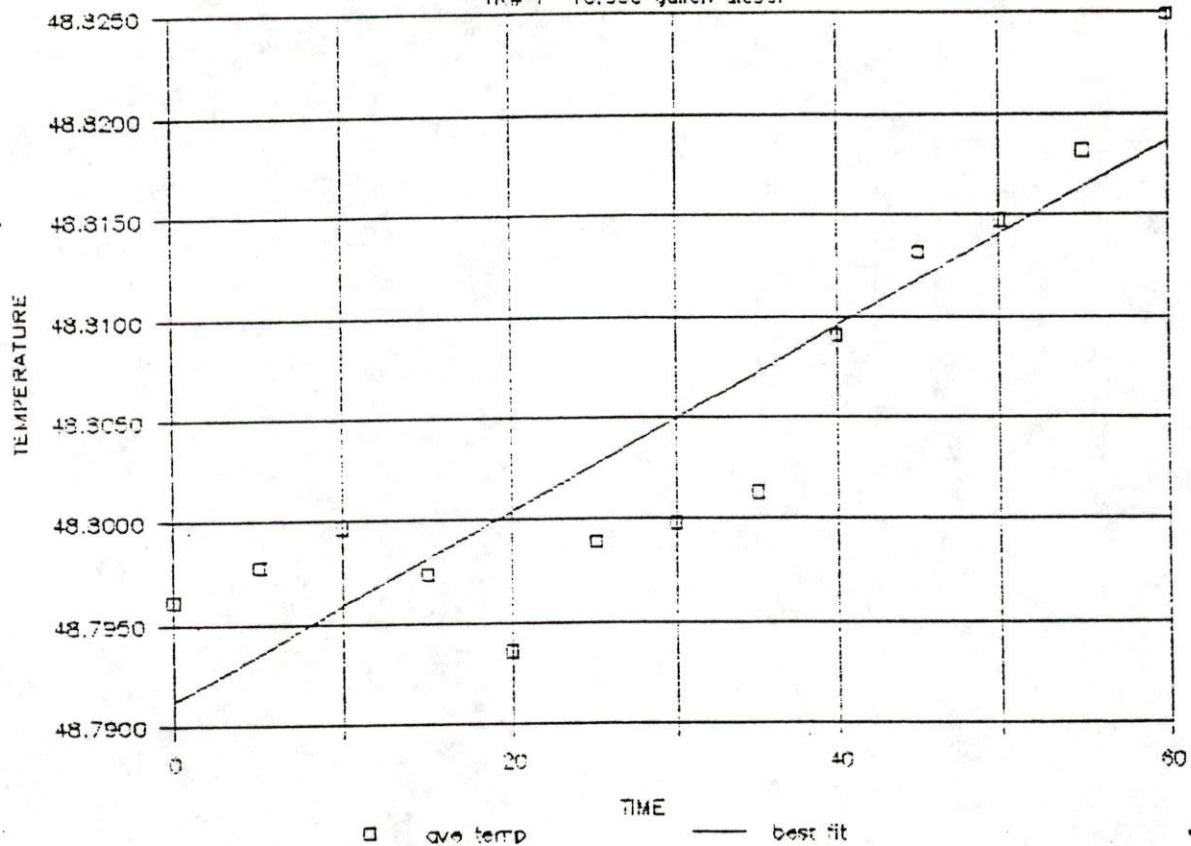
Testing Date: January 24, 1990
Tank Test Result: +.038 GPH
Lines tested tight at normal operating pressure.

AINLAY TANK INTEGRITY TESTER FIELD TEST DATA

1 Tank Operator	NAME CHEMPRO	ADDRESS 29245 76th Ave South Kent, WA 98032	PHONE
2 Test & Tank Data	a. Tank #: <u>1</u> b. Tank Product: <u>diesel</u> c. Tank Diameter: <u>95</u> inches	d. Fill Pipe Length: <u>28</u> inches e. Tank Volume: <u>10,000</u> gallons	
3 Water In Tank	Start Water in Tank _____ inches End Water in Tank _____ inches		
4 Water Table Compensation	a. Height of water table above tank bottom = <u>54</u> (h) ins. b. Density of tank product = <u>.836</u> (w) lb./cu. ins. Density of external water = <u>8.336</u> lbs./cu. ins. c. Additional head required to achieve minimum 1 PSI at water level = $= \frac{(h) \times 8.336}{w} = \frac{54 \times 8.336}{.836} = 54$ inches 59" available		
5 Preliminary Test Data	a. Start temp. check am/pm (am) <u>3:40</u> d. API gravity <u>4</u> at <u>49</u> degrees F. b. End temp. check am/pm (am) <u>3:40</u> e. API gravity <u>4</u> at <u>60</u> degrees F. c. Time since last liq. added <u>12+</u> hrs. f. Coeff. of expansion: <u>.00004779</u>		
5 Test Data	a. Total temp. change (lin. end temp - lin. start temp) = <u>48.8187</u> - <u>48.7913</u> = <u>+.0274</u> b. Vol. change due to temp = prod. volume x temp. change x coeff. of expansion $= 2e \frac{10000}{1} \times 5a \frac{.0274}{1} \times 5f \frac{.00004779}{1} = +.013 \text{ gals.}$ c. Total liquid volume (x) added () subtracted at end of test = <u>+.025</u> gals. d. Vol. change not due to temp (b+c) = <u>+.013</u> + <u>+.025</u> = <u>+.038</u> gals. e. leak rate = $\frac{(d)}{\text{Time of Test (mins.)}} = \frac{+.038 \times 60}{60} = +.038 \text{ G.P.H.}$ (+) leak rate means loss (-) leak rate means gain Normal test time is 1 hour.		
7 Test Results	This leak rate () <i>does</i> / (x) <i>does not</i> exceed the 1.95 GPH criteria as established by the National Fire Protection Association, Bulletin # 329.		
8 Certification	This certifies that the tank system described was tested by the undersigned and that the stated results represent the true state of the tank on this date to the best of my knowledge. <div style="display: flex; justify-content: space-between;"> <div data-bbox="487 1522 925 1627">  Jan Jensen Jensen Tank Testing Representative </div> <div data-bbox="974 1522 1299 1627"> <u>1-24-90</u> Date </div> </div>		
Comments/Recommendations: * Tank tested with water as product			

CHEMPRO

TK# 1 10,000 gallon diesel



time	ave temp	best fit
0	48.7961	48.7913
5	48.7978	48.7936
10	48.7997	48.7958
15	48.7974	48.7981
20	48.7936	48.8004
25	48.7989	48.8027
30	48.7998	48.8050
35	48.8013	48.8073
40	48.8091	48.8096
45	48.8132	48.8118
50	48.8148	48.8141
55	48.8182	48.8164
60	48.8249	48.8187

Regression Output:

Constant	48.7913
Std Err of Y Est	0.0045
R Squared	0.8091
No. of Observations	13.0000
Degrees of Freedom	11.0000
X Coefficient(s)	0.0005
Std Err of Coef.	0.0001

UNDERGROUND STORAGE TANK DATA SHEET

TANK(S) LOCATION: CHEMPRO
 20245 76TH AVE SOUTH
 KENT, WA 98032

TANK TESTING COMPANY: JENSEN TANK TESTING
 1340 LELAND ROAD WEST
 QUILCENE, WA 98376
 (206) 765-3331

TANK ID# 2 10,000 GALLON UNLEADED

Testing Date> February 28, 1990
Tank Test Result> -.021 GPH
Lines tested tight at normal operating pressure.

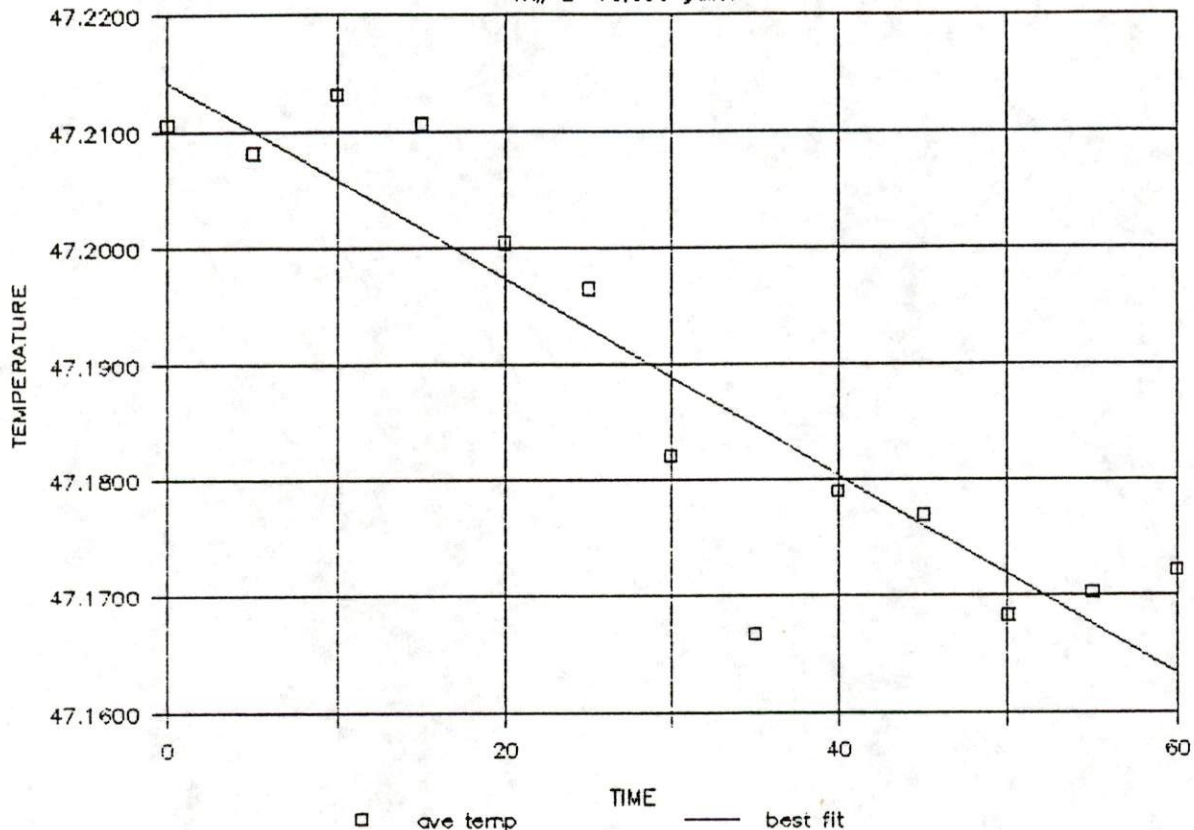
AINLAY TANK 'TEGRITY TESTER FIELD TEST DATA

1	<u>NAME</u>	<u>ADDRESS</u>	<u>PHONE</u>
Tank Operator	CHEMPRO	20245 76th Ave South Kent, WA 98032	
2	a. Tank #: <u>2</u>	d. Fill Pipe Length: <u>28.5</u> inches	
Test & Tank Data	b. Tank Product: <u>unleaded*</u>	e. Tank Volume: <u>10,000</u> gallons	
	c. Tank Diameter: <u>95</u> inches		
3	Start Water in Tank <u>*</u> inches	End Water in Tank <u>*</u> inches	
Water In Tank			
4	a. Height of water table above tank bottom = <u>59</u> (h) ins.	b. Density of tank product = <u>.036</u> (w) lb.s/cu. ins.	
Water Table Compensation	Density of external water = <u>0.036</u> lbs./cu. ins.	c. Additional head required to achieve minimum 1 PSI at water level = $\frac{(h) \times 0.036}{W} = \frac{59 \times 0.036}{.036} = 59$ inches	64.5" available/no riser needed
5	a. Start temp. check am/pm (am) <u>3:35</u>	d. API gravity <u>0</u> at <u>47.5</u> degrees F.	
Preliminary Test Data	b. End temp. check am/pm (am) <u>9:35</u>	e. API gravity <u>0</u> at <u>60</u> degrees F.	
	c. Time since last liq. added <u>12+</u> hrs.	f. Coeff. of expansion: <u>.00004047</u>	
6	a. Total temp. change (lin. end temp - lin. start temp) = <u>47.1634</u> - <u>47.2144</u> = <u>-.051</u>	b. Vol. change due to temp = prod. volume x temp. change x coeff. of expansion = $2e \frac{10000}{10000} \times 5a \frac{-.051}{-.051} \times 5f \frac{.00004047}{.00004047} =$	<u>-.021</u> gals.
Test Data	c. Total liquid volume () added () subtracted at end of test		= <u>-0-</u> gals.
	d. Vol. change not due to temp (b+c) = <u>-.021</u> + <u>-0-</u>		= <u>-.021</u> gals.
	e. leak rate = $\frac{(d) \times 60}{\text{Time of Test (mins.)}} = \frac{-.021 \times 60}{60}$		= <u>-.021</u> G.P.H.
	(+) leak rate means loss (-) leak rate means gain Normal test time is 1 hour.		
7	This leak rate () does / (x) does not exceed the 0.05 GPH criteria as established by the National Fire Protection Association, Bulletin # 329.		
Test Results			
8	This certifies that the tank system described was tested by the undersigned and that the stated results represent the true state of the tank on this date to the best of my knowledge.		
Certification	<p><u>Jan Jensen</u> <u>2/28/90</u></p> <p>Jensen Tank Testing Representative Date</p>		
Comments/Recommendations: * tank tested with water as product			

see page #2 for Temperature Print Out

CHEMPRO

TK# 2 10,000 gallon



time	ave temp	best fit
0	47.2106	47.2144
5	47.2082	47.2101
10	47.2133	47.2059
15	47.2107	47.2016
20	47.2004	47.1974
25	47.1965	47.1931
30	47.1821	47.1889
35	47.1668	47.1846
40	47.1790	47.1804
45	47.1770	47.1761
50	47.1683	47.1719
55	47.1703	47.1676
60	47.1722	47.1634

Regression Output:

Constant	47.2144
Std Err of Y Est	0.0076
R Squared	0.8370
No. of Observations	13.0000
Degrees of Freedom	11.0000
X Coefficient(s)	-0.0009
Std Err of Coef.	0.0001

JENSEN TANK TESTING
1340 Leland Road West
Quilcene, WA 98376
(206) 765-3331

March 28, 1990

Richard Wade
Chempro
20245 76th Ave South
Kent, WA 98032

Dear Mr. Wade,

Enclosed you will find the certifications for the tank located at Chempro, Kent, WA. This tank tested well within the 0.05 GPH leak rate established by the NFPA and also well under the 0.10 GPH criteria set by USEPA.

If you have any questions regarding the enclosed certifications, please contact me at 765-3331.

Respectfully,



Jan Jensen
Owner/Technician

UNDERGROUND STORAGE TANK DATA SHEET

TANK(S) LOCATION: CHEMPRO
 20245 76TH AVE SOUTH
 KENT, WA 98032

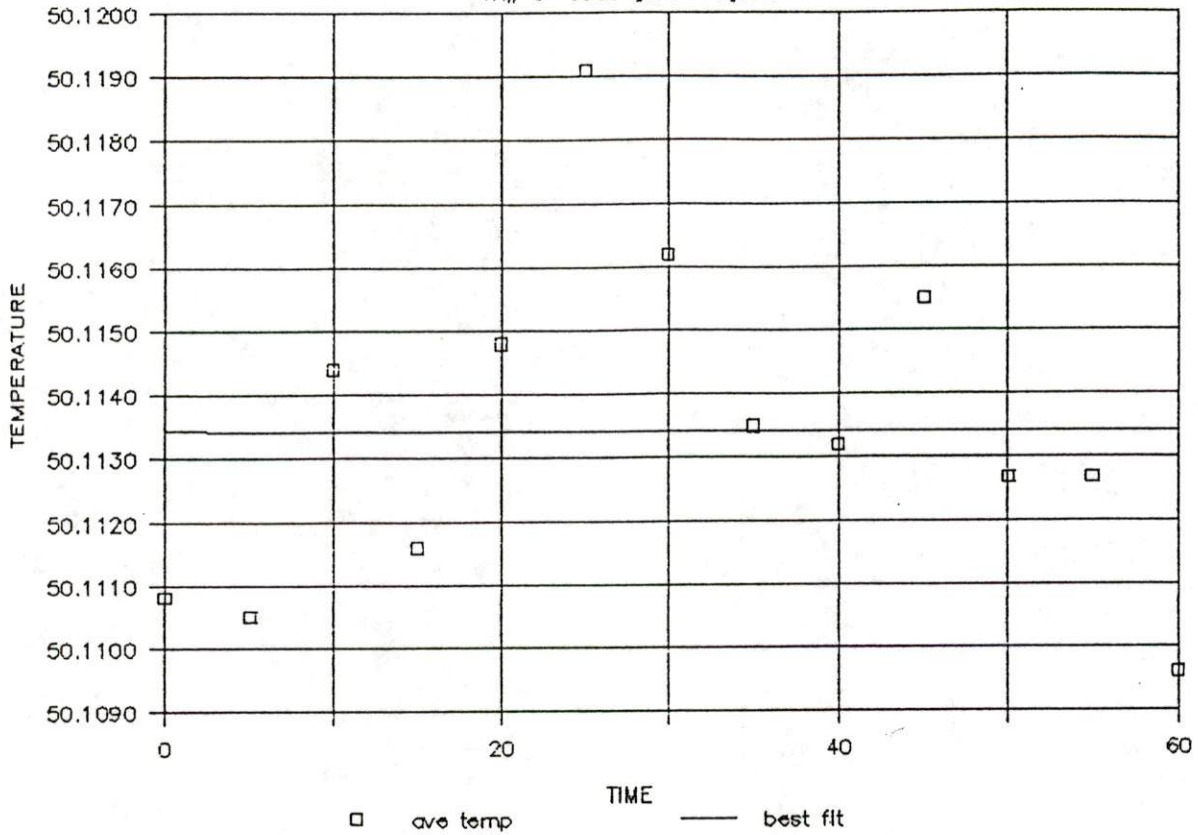
TANK TESTING COMPANY: JENSEN TANK TESTING
 1340 LELAND ROAD WEST
 QUILCENE, WA 98376
 (206) 765-3331

TANK ID# 3 5,000 GALLON REGULAR

Testing Date> March 28, 1990
Tank Test Result> +.001 GPH
Lines tested tight at normal operating pressure

CHEMPRO

TK# 3 5000 gallon regular



time	ave temp	best fit
0	50.1108	50.1134
5	50.1105	50.1134
10	50.1144	50.1134
15	50.1116	50.1134
20	50.1148	50.1134
25	50.1191	50.1134
30	50.1162	50.1134
35	50.1135	50.1134
40	50.1132	50.1134
45	50.1155	50.1134
50	50.1127	50.1134
55	50.1127	50.1134
60	50.1096	50.1134

Regression Output:

Constant	50.1134
Std Err of Y Est	0.0027
R Squared	0.0000
No. of Observations	13.0000
Degrees of Freedom	11.0000
X Coefficient(s)	0.0000
Std Err of Coef.	0.0000



A Burlington
Environmental Inc
Company

RICHARD LEE
Plant Manager

CHEMICAL PROCESSORS, INC.

20245 76th Avenue South
Kent, WA 98032

(206) 872-8030 ■ FAX: (206) 395-0377