

Northern Test Lab

September 25, 1998

RECEIVED

98170

OCT 08 1998

Mr. Ed Saltz
Saltz General Contractors
P.O. Box 747
Soldotna, Alaska 99669

Department of
Environmental Conservation
KDO

Subject: Underground Storage Tank Removal and Soil Sampling at Saltz General Contractors,
Mile 18.3 Kalifornsky Beach Road, Soldotna, AK

Mr. Saltz:

Northern Test Lab was retained by Saltz General Contractors on August 21, 1998 to perform an environmental assessment and sample the soil for the removal of two underground storage tanks (USTs) at Mile 18.3 K-Beach Road on September 21, 1998.

Background

Two 3000 gallon USTs were placed side by side approximately 15 years ago. One tank contained diesel fuel, the other gasoline. Tank records indicate no spills or leaks occurred prior to removal. The tanks were located approximately 75 feet north of the Saltz building. The bottom of the tanks were placed approximately 12' below the surface and backfilled with gravelly sand. No pipe lines extended beyond the tanks, only fill and vent pipes on top of the tanks were observed. Limits of excavation and UST placement is shown in Figure 1.

Methods

Prior to final sampling, organic vapor monitor (OVM) samples were screened to evaluate the presence of volatile organic vapors. The OVM results are shown in the table below:

Location, Depth	Results, ppm
Gasoline Tank Fill Pipe, -1'	0
Gasoline Tank, East side wall, -8'	0
Diesel Tank Fill Pipe, -0.5'	0
Diesel Tank, North side wall, -10'	0
Gasoline and Diesel Tanks, West side wall, -8'	0
Diesel Tank, Bottom of tank, West end, -12'	0
Diesel Tank, Bottom of tank, Center, -12'	0
Gasoline Tank, Bottom of tank, West end, -12'	0
Gasoline Tank, Bottom of tank, Center, -12'	0


No visible evidence of contamination was observed under or around the tanks or fill pipes. Six samples were collected for GRO/BTEX content and sent to CT&E for analysis.

Summary

The attached results from CT&E laboratory indicate the GRO/BTEX levels are below ADEC Level A cleanup standards and final closure from ADEC is recommended.

If you have any questions regarding this report please contact our office.

Sincerely,

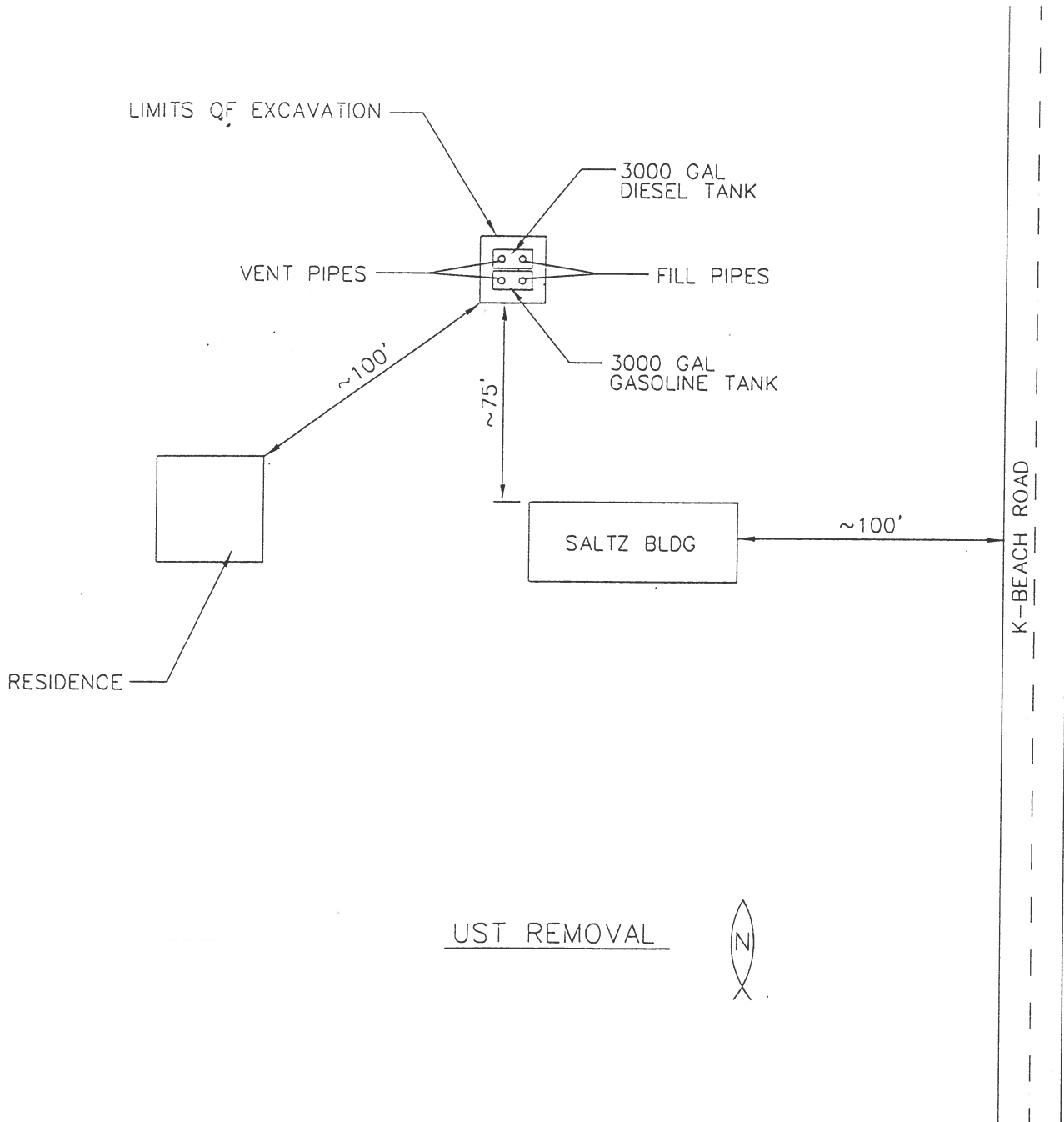


Paula Crowley
Environmental Scientist

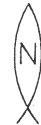
Attachment

c Paul Horwath, ADEC

F:\WP60\PAULA\SALTZ.RPT



UST REMOVAL



Northern Test Lab

35186 SPUR HWY. (907) 262-4624
 SOLDOTNA, ALASKA 99669 FAX 262-5777

DATE: 10/1/98
 DRAWN: RS
 CHECKED: HP
 SCALE: 60
 PROJECT NO.: 98170

SALTZ GENERAL CONTRACTORS
 UST REMOVAL
 9/10/98

FIGURE
 1



CT&E Environmental Services Inc.

Laboratory Division

Laboratory Analysis Report

September 15, 1998

Paula Crowley
Northern Test Lab
35186 Kenai Spur Hwy.
Soldotna, AK 99669

Client Name	Northern Test Lab
Project ID	Saltz General Contract. 98170 [985156]
Printed	September 15, 1998

Enclosed are the analytical results associated with the above project.

As required by the state of Alaska and the USEPA, a formal Quality Assurance/Quality Control Program is maintained by CT&E. A copy of our Quality Control Manual that outlines this program is available at your request.

Except as specifically noted, all statements and data in this report are in conformance to the provisions set forth in our Quality Assurance Program Plan.

If you have any questions regarding this report or if we can be of any other assistance, please call your CT&E Project Manager at (907) 562-2343.

The following descriptors may be found on your report which will serve to further qualify the data.

- U - Indicates the compound was analyzed for but not detected.
- J - Indicates an estimated value that falls below PQL, but is greater than the MDL.
- B - Indicates the analyte is found in the blank associated with the sample.
- * - The analyte has exceeded allowable limits.
- GT - Greater Than
- D - Secondary Dilution
- LT - Less Than
- ! - Surrogate out of range



CT&E Ref.# 985156001
Client Name Northern Test Lab
Project Name/# Saltz General Contract. 98170
Client Sample ID Gas Tank Fill Pipe
Matrix Soil
Ordered By
PWSID

Client PO#
Printed Date/Time 09/15/98 16:17
Collected Date/Time 09/10/98 10:30
Received Date/Time 09/10/98 15:40
Technical Director: Stephen C. Ede

Released By [Signature]

Sample Remarks:

Table with columns: Parameter, Results, PQL, Units, Method, Allowable Limits, Prep Date, Analysis Date, Init. Rows include Total Solids, GRO/8021 Combo, Gasoline Range Organics (Benzene, Toluene, Ethylbenzene, P & M -Xylene, o-Xylene), and Surrogates (4-Bromofluorobenzene, 1,4-Difluorobenzene).



CT&E Ref.# 985156002
Client Name Northern Test Lab
Project Name/# Saltz General Contract. 98170
Client Sample ID Diesel Tank Fill Pipe
Matrix Soil
Ordered By
PWSID

Client PO#
Printed Date/Time 09/15/98 16:17
Collected Date/Time 09/10/98 10:35
Received Date/Time 09/10/98 15:40
Technical Director: Stephen C. Ede

Released By [Signature]

Sample Remarks:

Table with columns: Parameter, Results, PQL, Units, Method, Allowable Limits, Prep Date, Analysis Date, Init. Rows include Total Solids, GRO/8021 Combo, Gasoline Range Organics, Benzene, Toluene, Ethylbenzene, P & M -Xylene, o-Xylene, and Surrogates.



CT&E Ref.# 985156003
 Client Name Northern Test Lab
 Project Name/# Saltz General Contract. 98170
 Client Sample ID Diesel Tank Bottom-W. End
 Matrix Soil
 Ordered By
 PWSID

Client PO#
 Printed Date/Time 09/15/98 16:17
 Collected Date/Time 09/10/98 11:40
 Received Date/Time 09/10/98 15:40
 Technical Director: Stephen C. Ede

Released By *Heather Hall*

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable Limits	Prep Date	Analysis Date	Init
Total Solids	93.5		%	SM18 2540G			09/14/98	SKW
GRO/8021 Combo								
Gasoline Range Organics	0.594 U	0.594	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Benzene	0.0149 U	0.0149	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Toluene	0.0149 U	0.0149	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Ethylbenzene	0.0149 U	0.0149	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
P & M -Xylene	0.0199	0.0149	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
o-Xylene	0.0149 U	0.0149	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Surrogates								
4-Bromofluorobenzene <Surr>	63.8		%	AK101/8021B	(50-150)	09/10/98	09/11/98	
1,4-Difluorobenzene <Surr>	102		%	AK101/8021B	(50-150)	09/10/98	09/11/98	



CT&E Ref.# 985156004
Client Name Northern Test Lab
Project Name/# Saltz General Contract. 98170
Client Sample ID Diesel Tank Bottom-Center
Matrix Soil
Ordered By PWSID

Client PO#
Printed Date/Time 09/15/98 16:17
Collected Date/Time 09/10/98 11:40
Received Date/Time 09/10/98 15:40
Technical Director: Stephen C. Ede

Released By [Signature]

Sample Remarks:

Table with columns: Parameter, Results, PQL, Units, Method, Allowable Limits, Prep Date, Analysis Date, Init. Rows include Total Solids, Gasoline Range Organics, Benzene, Toluene, Ethylbenzene, P & M -Xylene, o-Xylene, Surrogates (4-Bromofluorobenzene, 1,4-Difluorobenzene).



CT&E Ref.# 985156005
 Client Name Northern Test Lab
 Project Name/# Saltz General Contract. 98170
 Client Sample ID Gas Tank Bottom-Center
 Matrix Soil
 Ordered By
 PWSID

Client PO#
 Printed Date/Time 09/15/98 16:17
 Collected Date/Time 09/10/98 11:40
 Received Date/Time 09/10/98 15:40
 Technical Director: Stephen C. Ede

Released By *Heather Isdale*

Sample Remarks:

Parameter	Results	PQL	Units	Method	Allowable	Prep	Analysis	
					Limits	Date	Date	Init
Total Solids	96.7		%	SM18 2540G			09/14/98	SKW
GRO/8021 Combo								
Gasoline Range Organics	0.646 U	0.646	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Benzene	0.0162	0.0162	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Toluene	0.0176	0.0162	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Ethylbenzene	0.0162 U	0.0162	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
P & M -Xylene	0.0250	0.0162	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
o-Xylene	0.0162 U	0.0162	mg/Kg	AK101/8021B		09/10/98	09/11/98	WAA
Surrogates								
4-Bromofluorobenzene <Surr>	70.4		%	AK101/8021B	(50-150)	09/10/98	09/11/98	
1,4-Difluorobenzene <Surr>	97.3		%	AK101/8021B	(50-150)	09/10/98	09/11/98	



CT&E Ref.# 985156006
Client Name Northern Test Lab
Project Name/# Saltz General Contract. 98170
Client Sample ID Gas Tank Bottom-W. End
Matrix Soil
Ordered By PWSID

Client PO#
Printed Date/Time 09/15/98 16:17
Collected Date/Time 09/10/98 11:40
Received Date/Time 09/10/98 15:40
Technical Director: Stephen C. Ede

Released By [Signature]

Sample Remarks:

Table with columns: Parameter, Results, PQL, Units, Method, Allowable Limits, Prep Date, Analysis Date, Init. Rows include Total Solids, GRO/8021 Combo, Gasoline Range Organics (Benzene, Toluene, Ethylbenzene, P & M -Xylene, o-Xylene), and Surrogates (4-Bromofluorobenzene, 1,4-Difluorobenzene).

Northern Test Lab

Analytical, Environmental, Geotechnical, Construction Materials Testing
 35186 Spur Highway Soldotna, Alaska (907)262-4624 262-5777(fax)

RUSST
RUSH

985156

1 OF CUSTODY

Lab Number 981791

CLIENT INFORMATION

Name Sally General Contracting PWID: _____
 Address _____

one _____ Fax _____

Addn'l Chrgs _____
 Bill/Paid _____ Project # 98170

COMMENTS _____

 CHLORINATED - Y N

Sampled By: Paula Crowley Sample Condition: Good Rejected Comments _____
 Sample Site Slt 2 General Contracting

*** FOR LAB USE ONLY ***

LABORATORY INVOICE

REPORT Original ATL
 Copy ATL

SHIPPING VIA/AIRBILL # SGA 007915

SAMPLE NO.	LOCATION DESCRIPTION	DATE	TIME	# CONTAIN	PRESERVE	Nitrate	Nitrite	VOC	Pb/Cu	Colifert	OTHER
1	Gas Tank F.II Pipe	9-10-98	10:30	1	Meth						GRD / <u>RTY</u>
2	Diesel Tank F.II Pipe		10:35	1							
3	Diesel Tank Bottom - 102, Enrod		11:40	1							
4	Diesel Tank Bottom - Center		11:40	1							
5	Gas Tank Bottom - Center		11:40	1							
6	Gas Tank Bottom - 102, End		11:40	1							

REQUESTED ANALYSIS

Relinquished by: P. Crowley Date/Time: 9/10/98 12:30 Accepted by: Paula Crowley Date/Time: 9/10/98 15:10
 Relinquished by: _____ Date/Time: _____ Accepted by: _____ Date/Time: _____