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DEPT. OF ECOLOGY

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Hazardous Waste Storage Tanks  
JUL 09 1993

1/3

## Site Characterization and Cleanup Report

### Removal and Disposal of Gasoline Contaminated Soils

19863 28th Ave. S.

Seatac, Washington

101923  
U0010358  
NW

Daniel A. Wright

Registered Site Assessor

June 28, 1993

SR 7/17/93 CA		DEPARTMENT OF ECOLOGY NWRO/TCP TANK UNIT		
INTERIM CLEANUP REPORT				<input type="checkbox"/>
SITE CHARACTERIZATION				<input type="checkbox"/>
FINAL CLEANUP REPORT				<input checked="" type="checkbox"/>
OTHER _____				<input type="checkbox"/>
AFFECTED MEDIA: SOIL				<input checked="" type="checkbox"/>
OTHER _____ GW				<input checked="" type="checkbox"/>
INSPECTOR (INIT) <u>7</u>		DATE <u>7-26-93</u>		<input checked="" type="checkbox"/>

Page One

Cleanup Report  
19863 28th Ave.S.  
April 23,1993

## INTRODUCTION

The following is a UST (Underground Storage Tank) site characterization and cleanup report prepared subsequent to the decommissioning by removal of two motor fuel UST's located at 19863 28th Avenue South in Seatac, Washington.

The site is located on the west side of 28th Avenue South just north of South 200th Street, one block west of Pacific Highway South. (See Vicinity map, page 4.)

## UST SYSTEM

The UST system consisted of two single wall steel tanks and associated vent and supply steel piping. The tanks consisted of a 500 gallon diesel fuel tank and a 3000 gallon gasoline tank. (See site plan, page 5)

The UST's were decommissioned by removal on October 17, 1992, by WT Services Company, registered tank services provider No.S000181. Permanent Closure Checklists were completed for each tank and were sent to Ecology.

Page Two

Cleanup Report  
19863 28th Ave. S.  
June 28, 1993

#### THE SITE AND SURROUNDING LAND USE

The approximately 1 acre site is currently owned by Highline Water District. It is the site of the equipment storage yard for the water district.

The site is located one block west of Pacific Highway South, (State Route 99), a major suburban arterial street between Seattle and Tacoma, within the limits of the recently incorporated City of Seatac. A portion of the site has been in use as the office and equipment yard for the Highline Water District (formerly water District No.75) since 1947. The UST's were installed in 1971.

The properties along Pacific Highway South are largely retail in nature, including gas stations, restaurants and automobile sales lots.

Properties adjacent to the site include an electrical power substation on the north side, a retail gasoline station accross the street to the east, and a auto body repair shop accross S. 200th Street to the south.

#### SOILS AND GROUNDWATER

The soil encountered in the tank excavations consisted of light brown silty sand.

No groundwater was encountered in the excavations.

#### DETECTION OF LEAKAGE

During removal of the gasoline tank (see site plan), the soils excavated from over the tank exhibited a gasoline odor. The soils from below the tank exhibited no such odor, and no holes could be detected in the tank.

The odor-bearing soils were excavated and stockpiled under cover on the site.

Page Three

Cleanup Report  
19863 28th Ave S.  
June 28, 1993

Laboratory results confirmed that some gasoline contamination did exist in the stockpiled odor-bearing soils. Samples tested from the lower sides and base of the excavation showed that no contamination existed below the tank, confirming that the tank itself had not leaked. (See lab results, page 6.) The source of the contamination is believed to be a surface spill from overfilling of the gasoline tank. This conclusion is based on anecdotal evidence provided by District employees and on the surficial nature of the contamination (top 1-2 feet of soils).

Field observations and laboratory analysis indicated that the 500 gallon diesel tank had not leaked and that no diesel contamination existed at the tank site. (See lab results, page 7.)

#### CLEANUP

On May 25, 1993, our firm transported the contaminated soils to Regional Disposal Company's transfer station located at Third Avenue and Lander Street in Seattle for disposal at their Roosevelt Regional Landfill in northeastern Washington State.

A total of 53 tons of soil was trucked out and disposed of. The excavation at that point was odor free and samples were obtained from each wall and the base of the excavation.

Laboratory test results on the soil samples showed that the contamination had been removed. (See Lab results page 8.)

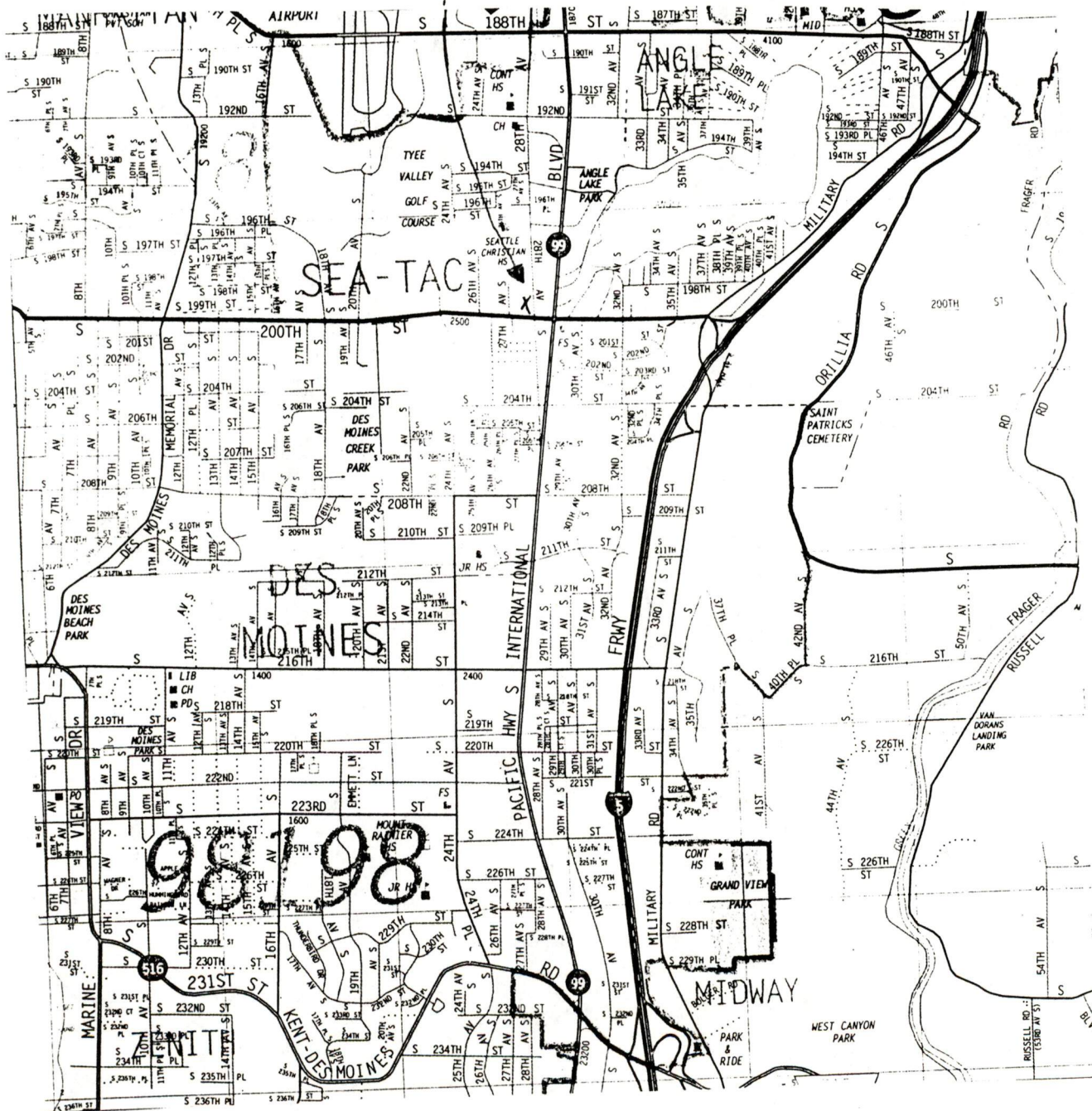
It is my conclusion that the cleanup has been completed and the site has been effectively remediated.

  
Daniel A. Wright  
Registered Site Assessor



VICINITY PLAN  
19863 28th Ave S.  
June 28, 1993

SITE



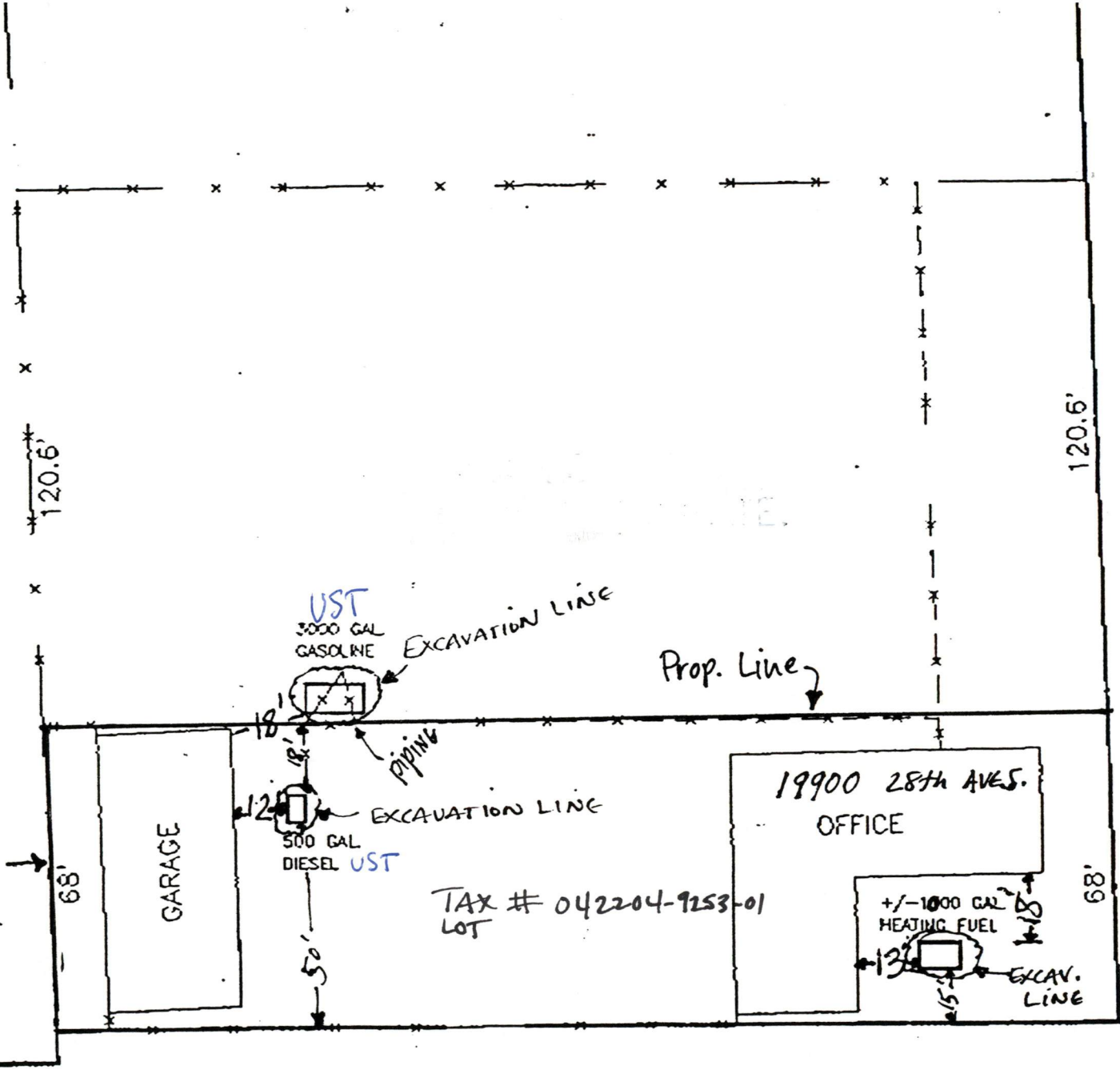
N

SCALE 1"=35'

PROP. LINE →

30'

S. 200th St.



120.5'

68'

37'

28th Ave. S.

20'

20'

# FRIEDMAN & BRUYA, INC.

Page 6

## ENVIRONMENTAL CHEMISTS

DUPLICATE COPY

Date of Report: October 20, 1992  
Date Submitted: October 16, 1992  
Project: 19800 28th Ave. S.

### RESULTS OF ANALYSES OF THE SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES AND GASOLINE USING EPA METHODS 5030 COUPLED TO 8020 and 8015 Results Reported as mg/kg (ppm)

Sample #	(COMPOSITE)	
	1.5 Exc. Mat'l.	1.3 S. End 2'
Analyte:	(STOCKPILE)	
Benzene	0.13	<0.002
Toluene	2.8	<0.002
Ethylbenzene	3.7	<0.002
Total Xylenes	23	<0.004
Gasoline	160	<2
Internal Standard (% Recovery)	103%	94%

## FRIEDMAN &amp; BRUYA, INC.

Page 7

## ENVIRONMENTAL CHEMISTS

## DUPLICATE COPY

Date of Report: October 20, 1992

Date Submitted: October 16, 1992

Project: 19800 28th Ave. S.

RESULTS OF ANALYSES OF THE SOIL SAMPLES  
 FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL  
 BY GC/FID (MODIFIED SOIL)  
 results reported as  $\mu\text{g/g}$  (ppm)

<u>Sample #</u>	<u>Diesel</u> (ppm)	<u>Internal Standard</u> (% Recovery)
2.1 N. End 6'	<10	50%
2.2 S. End 6'	<10	65%
<u>Quality Assurance</u>		
Method Blank	<10	83%
2.2 S. End 6' (Duplicate)	<10	53%
2.2 S. End 6' (Matrix Spike) Percent Recovery	118%	140%
2.2 S. End 6' (Matrix Spike Duplicate) Percent Recovery	106%	91%
Spike Blank Percent Recovery	119%	117%
Spike Level	500	



## ENVIRONMENTAL CHEMISTS

## SAMPLING AFTER CLEANUP

Date of Report: May 28, 1993

Date Received: May 26, 1993

Project: 19800 28th Ave. S.

Date Samples Extracted: May 26, 1993

Date Extracts Analyzed: May 26, 1993

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR BENZENE, TOLUENE, ETHYLBENZENE,  
XYLENES AND GASOLINE  
USING EPA METHODS 8020 AND 8015  
Samples Processed Using Method 5030  
per Washington DOE Guidelines  
Results Reported as µg/g (ppm)**

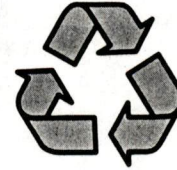
<u>Sample #</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline</u>	<u>Internal Standard % Recovery</u>
1	<0.02	<0.02	<0.02	<0.04	<2	87%
2	<0.02	<0.02	<0.02	<0.04	<2	87%
3	<0.02	<0.02	<0.02	<0.04	<2	84%
4	<0.02	<0.02	<0.02	<0.04	<2	84%
5	<0.02	<0.02	<0.02	<0.04	<2	85%

Quality Assurance

Blank	<0.02	<0.02	<0.02	<0.04	<2	84%
3 (Duplicate)	<0.02	<0.02	<0.02	<0.04	<2	82%
3 (Matrix Spike) % Recovery	105%	108%	111%	110%	80%	82%
3 (Matrix Spike Duplicate) % Recovery	100%	104%	109%	107%	91%	80%
Spike Blank % Recovery	96%	101%	105%	102%	87%	71%
Spike Level	1	1	1	2	10	

**RABANCO RECYCLING CO.**

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080

TICKET NUMBER

149526

DATE: 05/25/93

TIME: 10:16:16

159 - WY SERV 19800 93-1314

WT SERV

TRUCK #: 1 DUMP TRUCK

PLACE: SEA-TAC

PRODUCT: PCS

GROSS LBS: 32960.00

TARE LBS: 13140.00

NET LBS: 19820.00

GROSS WEIGHT ONLY

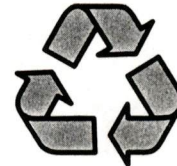
NET TONS: 9.910



Recycled

**RABANCO RECYCLING CO.**

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080

TICKET NUMBER

149712

DATE: 05/25/93

TIME: 14:00:44

159 - WY SERV 19800 93-1314

WT SERV

TRUCK #: 1 DUMP TRUCK

PLACE: SEA-TAC

PRODUCT: PCS

GROSS LBS: 32340.00

TARE LBS: 12900.00

NET LBS: 19440.00

GROSS WEIGHT ONLY

NET TONS: 9.720



**RABANCO RECYCLING CO.**

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080

TICKET NUMBER 149611

DATE: 05/25/93

TIME: 11:56:54

159 - WY SERV 19800 93-1314

W3T SER

TRUCK #: 1 DUMP TRUCK

PLACE: SEA-TAC

PRODUCT: PCS

GROSS LBS: 34760.00

TARE LBS: 12760.00

NET LBS: 21900.00

GROSS WEIGHT ONLY

NET TONS: 10.750

*Alison E. ...*

Recycled

**RABANCO RECYCLING CO.**

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080

TICKET NUMBER 149783

DATE: 05/25/93

TIME: 15:44:52

159 - WT SERV 19800 93-1314

*WT Services*

TRUCK #: 1 A DYNO

PLACE: A SEATTLE

PRODUCT: PCS

GROSS LBS: 19620.00

TARE LBS: 12260.00

NET LBS: 7360.00

GROSS WEIGHT ONLY

NET TONS: 3.680

*Doug ...*

led





# RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080



TICKET NUMBER

149612

DATE: 03/25/93

TIME: 11:57:46

159 - NY SERV 19800 93-1314

WT SERV

TRUCK #: 2 DUMP TRUCK

PLACE: SEA-TAC

PRODUCT: PCS

GROSS LBS: 27400.00

TARE LBS: 12200.00

NET LBS: 15100.00

GROSS WEIGHT ONLY

NET TONS: 7.570

*Dog Hand*



Recycled



# RABANCO RECYCLING CO.

A DIVISION OF RABANCO COMPANIES

2733 3rd Avenue South  
Seattle, Washington 98134  
(206) 623-4080



TICKET NUMBER

149527

DATE: 03/25/93

TIME: 10:17:02

159 - NY SERV 19800 93-1314

WT SERV

TRUCK #: 2 DUMP TRUCK

PLACE: SEA-TAC

PRODUCT: PCS

GROSS LBS: 27400.00

TARE LBS: 12300.00

NET LBS: 15100.00

GROSS WEIGHT ONLY

NET TONS: 7.570

*[Handwritten signature]*



Recycled



ENTERED  
LUST # 3978 10-3-00

# LUST CLEANUP REPORT REVIEW

LUST # 3978 UST # 20727 Site Name \_\_\_\_\_

Change in Status of Release & Date (Awaiting Cleanup) (Cleanup Started) (Monitoring)  
(Reported Cleaned Up) (No Further Action) (Unknown) Date 10-31-92

Cause of Release (Overfill) (Piping Failure) (Spill) (Tank Failure) (Unknown)  
Remediation Technologies Used \_\_\_\_\_

Report Title \_\_\_\_\_ Report Date \_\_\_\_\_

Report Type (Interim) (Monitoring) (Final) (Site Characterization) (Unknown)

Date Received \_\_\_\_\_ Contractor \_\_\_\_\_

Comments RU 2000. CHANGED STATUS TO RU.

Reported Level of TPHD would meet

Interim TPH Method B. would not list

Site currently on basis of this information above

Fund Source (LUST Trust Fund) (PLIA) (Responsible Party) (State Fund)

VCP/IRAP Status (Requested) (Not Requested) (Complete) Reviewed by \_\_\_\_\_  
Date 9/27/00

DRAFT

no  
reports

~~NAS~~

SITE NAME highline Water District Egypt. yard

PHONE # \_\_\_\_\_ ERTS ID# \_\_\_\_\_

DATE OF REPORT \_\_\_\_\_ ECY FOLLOW UP? Y/ N WHAT FORM? \_\_\_\_\_

NAS  
ECY EOU  
RVJew

NAME OF  
CONSULTANT/CONTRACTOR WT Services Co, Danwright

1. How many tanks on site? 2 #1 3,000 gal  
How many gallons? #2 500 gal

2. GW encountered during remediation? Y/ N Print out of well log/ water table? Y/ N

Actions taken:

3. When was tank(s) removed? Both removed 10/17/92

4. Is there a reasonable site characterizations? Y/ N All/ Partial

Explain.

5. Was the site cleaned up? Y/ N

Sample type \_\_\_\_\_

Final soil sample results:

<u>NORTH</u>	<u>DEPTH</u>
<u>SOUTH</u>	<u>DEPTH</u>
<u>EAST</u>	<u>DEPTH</u>
<u>WEST</u>	<u>DEPTH</u>

6. Where was the PCS disposed of?

Receipts? Y/ N

Amount:

~ 40-50 yds

OPINION: HIGH

MEDIUM

LOW

PHOTOS Y/ N

COMMENTS:

method A  
or  
B?

160ppm

Highline Water District  
Shop + Equipment yard



## KING COUNTY

SITE I

### Highline Water District

CleanupSite ID: **9982**

FS ID: **63829649**

Alternate Name(s): Highline Water Dist, Highline Water District, SHOP & EQUIPMENT YARD, SHOP AND EQUIPMENT YARD, Sound Transit 28th Ave S

#### LOCATION:

[View Vicinity Map](#)

Address: **19863 28TH AVE S**  
**SEATAC** **98188**

Lat/Long: **47.42294** **-122.29813**  
Township/Range/Section: **22N** **4E** **4**

Legislative District: **33**  
Congressional District: **9**

#### STATUS:

[View Site Web Page](#)

Ecology Status: **Cleanup Started**  
WARM BIN#:

Responsible Unit: **Northwest**  
Site Manager: **Musa, Donna**  
Statute: **MTCA**

Is Brownfield?  
Environmental Covenant?  
Is PSI Site?

UST Site ID: **101923**  
WRIA ID: **9**

NFA Received?

NFA Date:

NFA Reason:

#### ASSOCIATED CLEANUP UNIT(s)

culD	Cleanup Unit Name	Unit Type	Process Type	Unit Status	Size (Acres)	ERTS ID
9674	HIGHLINE WATER DIST SHOP YARD	Upland	Independent Action	Cleanup Started		

#### SITE ACTIVITIES:

Applies to:	Related ID (Unit-LUST-VCP)	Activity Display Name	Status	Start Date	End Date	Legal Mechanism	Performed By	Project Manager
CleanupSite		Site Discovery/Release Report Received			7/9/1993			Northwest Region
Lust	2896	LUST - Notification		7/9/1993	7/9/1993			
Lust	2896	LUST - Report Received		6/28/1993	6/28/1993			

#### AFFECTED MEDIA & CONTAMINANTS:

##### Media:

Contaminant:	Ground Water	Surface Water	Soil	Sediment	Air	Bedrock
Benzene			RB			
Petroleum-Diesel			RB			
Petroleum-Gasoline			RB			

Petroleum-Other

S

**Key:**

B - Below Cleanup Level

C - Confirmed Above Cleanup Level

S - Suspected

R - Remediated

RA - Remediated-Above

RB - Remediated-Below



A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

ENTERED  
C 3978 10-3-00

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Date 9/27/00