

91 SEP -5 ANN: 19

August 30, 1991

Mr. Barney Chan, Hazardous Materials Specialist Division of Hazardous Materials Department of Environmental Health Alameda County Health Agency 80 Swan Way, Room 200 Oakland, CA 94621

Subject: Tank Removal Results

Federal Aviation Administration

Oakland International Airport TRACON facility

Dear Mr. Chan:

This letter has been prepared to provide the Alameda County Department of Environmental Health (DEH) with a description of soil sampling, and soil analytical methods and results associated with the removal of an underground 1,000-gallon-capacity diesel tank. The tank was located at the Federal Aviation Administration (FAA) Oakland International Airport Terminal Radar Approach Control (TRACON) facility. Based upon tank removal observations, no diesel is suspected to have leaked from the tank due to tank failure. Based on laboratory analytical results, diesel hydrocarbons were not detected in soil samples collected from the tank excavation. Petroleum hydrocarbons detected in a groundwater sample from beneath the tank are heavier than diesel with carbon-chain ranges slightly below, at, and above C-23. These petroleum hydrocarbons may be fuel oil. In addition, no benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in the groundwater beneath the tank. Based upon this evidence and on behalf of the FAA, site closure is requested from the Alameda County DEH.

BACKGROUND

The site is located at 8250 Earhart Road, Oakland in the northeast quarter of the southwest quarter of Section 20, Township 2 South, Range 3 West of the San Leandro 7 1/2 minute quadrangle, Alameda County, California (Figure 1). The FAA Oakland Airport TRACON facility consists of a control building with an emergency generator and an underground 1,000-gallon-capacity diesel tank (Figure 2). The site is located in a portion of a former Naval fuel storage area. The land is owned by the Port of Oakland and leased by the FAA. The facility is at an elevation of approximately 7 feet above mean sea level (MSL). The FAA contracted with Advanced Sciences, Inc. (ASI) to conduct soil sampling following the removal of the tank by the FAA. ASI provided the following services in accordance with the scope of work provided by the FAA.

- Visually assessed the condition of the tank immediately upon removal and observed soil conditions directly beneath the tank;
- Collected two soil samples beneath the tank, and one soil sample from the soil stockpile and arranged for laboratory analysis of the samples;
- Collected two groundwater samples beneath the tank and arranged for laboratory analysis of the samples; and
- · Prepared this report.

SOIL SAMPLING, HANDLING, AND ANALYSIS

On May 2, 1991, the FAA excavated and removed the 1,000-gallon-capacity diesel tank adjacent to the FAA Oakland Airport TRACON facility. During tank excavation activities, the excavated soil was monitored for volatile organic vapors using a calibrated photoionization detector (PID).

Upon excavation, the tank appeared intact with no visible diesel leaks or stains. Groundwater was observed in the bottom of the excavation. No hydrocarbon odors were detected by ASI personnel and the PID did not detect volatile organics above background levels in the excavated soil or in the tank pit. Groundwater was observed and sampled in the tank excavation at a depth of 5 feet below ground surface.

After the tank was removed from the excavation, two areas beneath the tank and the soil stockpile were sampled under the direction of Mr. Barney Chan, Hazardous Materials Specialist, and in accordance with a tank removal permit issued by Alameda County Health Department, DEH.

- The northern end of the bottom of the tank pit, (soil sample TRACON-3), at a depth of approximately 5 feet below ground surface. This sample was collected at 1005 on May 2, 1991.
- The southern end of the bottom of the tank pit, (soil sample TRACON-4), at a depth of approximately 5 feet below ground surface. This sample was collected at 1010 on May 2, 1991.
- The excavated soil stockpile (soil sample TRACON-5). This discrete sample was collected at 1015 on May 2, 1991.

The three soil samples were a dark-brown-to-black, silty clay of the Younger Bay Mud. The soil samples were put into 250-milliliter (ml) glass jars, sealed with a Teflon-lined cap, labeled, logged, sealed in a plastic bag, and placed in an insulated cooler with ice. Samples were shipped by ASI field personnel under strict chain-of-custody protocol to Quality Assurance Laboratory of San Diego, California, for analysis. The chain-of-custody form is presented as Attachment 1.

The soil samples were analyzed for total petroleum hydrocarbons (TPH) using California Department of Health Services (DHS) methods and BTEX using Modified EPA Method 8020.

Soil Analytical Results

TPH and BTEX were not detected in soil samples TRACON-3 and TRACON-4. Sample TRACON-5 analytical results are considered not valid because the sample was received by the laboratory in a broken container. Soil analytical results are presented as Attachment 1.

GROUNDWATER SAMPLING, HANDLING, AND ANALYSIS

After the tank was removed from the excavation, two groundwater samples were collected from the bottom of the tank pit excavation under the direction of Mr. Barney Chan, Hazardous Materials Specialist.

The groundwater samples were put into a 1-liter glass jar (sample TRACON-1) and a 40-ml glass vial (sample TRACON-2), sealed with a Teflon-lined cap, labeled, logged, sealed in a plastic bag, and placed in an insulated cooler with ice. Samples were shipped under strict chain-of-custody protocol to Quality Assurance Laboratory (QAL) of San Diego, California, for analysis (Attachment 1).

Groundwater sample TRACON-1 was analyzed for TPH using California DHS methods and groundwater sample TRACON-2 was analyzed for BTEX using Modified EPA Method 602.

- and

Groundwater Analytical Results

A TPH concentration of 36.6 milligrams per liter (mg/l) was detected in groundwater sample TRACON-1. Groundwater sample TRACON-2 had no detectable BTEX concentrations. The analytical chromatogram for sample of TRACON-1 (Attachment 3) indicates that the majority of the petroleum hydrocarbons detected in sample TRACON-1 had hydrocarbons with a carbon-chain range slightly less than, at, and greater than C-23 (above the diesel hydrocarbon range). These petroleum hydrocarbons are within the carbon-chain range of fuel oil (QAL, personal communication).

Tank Disposal

The tank was inerted with 100 pounds of dry ice, plugged with a 1,000 pounds-per-square-inch (psi) pressure valve, and transported under Uniform Hazardous Waste Manifest #90542266 (Attachment 4) by H&H Ship Service Company (H&H) of San Francisco, California. The tank was steam cleaned at the H&H facility and the rinsate was collected and treated. H&H is a licensed treatment and disposal facility (License No. CAD 004771168). H&H issued a Certificate of Disposal for the Oakland Airport TRACON facility tank on May 7, 1991 (Attachment 5).

Groundwater Discussion

Groundwater was observed and sampled in the tank pit excavation at a depth of approximately 5 feet below ground surface near MSL. The site is less than one mile south of San Francisco Bay and the groundwater beneath the site may be subjected to San Francisco Bay influences.

CONCLUSION

A 1,000-gallon-capacity diesel tank was removed by the FAA on May 2, 1991, under a permit issued by Alameda County Health Agency, DEH. Upon excavation, the tank appeared intact with no visible leaks or holes. ASI field personnel observed no soil staining and detected no hydrocarbon odors adjacent to or in the soil beneath the tank. The presence of hydrocarbon odors was not detected by the PID in the excavated soil or in the tank excavation.

TPH and BTEX were not detected in soil samples TRACON-3 and TRACON-4. Sample TRACON-5 was received by the laboratory in a broken container, thus, sample integrity has been compromised and analytical results are not valid.

Groundwater was observed and sampled in the tank pit excavation at a depth of approximately 5 feet below ground surface. Groundwater sample TRACON-1 had a TPH concentration of 36.6 mg/l, with the majority of hydrocarbons slightly less than, at, and greater than C-23, indicating the presence of hydrocarbons heavier than the diesel fuel previously stored in the FAA tank. These petroleum hydrocarbons may be fuel oil. Because laboratory analysis indicates that the petroleum in groundwater may not be diesel, the FAA has notified the landowner, the Port of Oakland, of their concern for potential past releases associated with other tanks near or at the site (see Attachment 6). In addition, analytical results indicate BTEX was not detected in the groundwater beneath the tank.

Based upon analytical results and tank observations presented in this report and on behalf of the FAA, site closure is requested from Alameda County DEH.

If you have any questions or comments, please contact Len Sinfield or me at (619) 560-8552.

SARAH

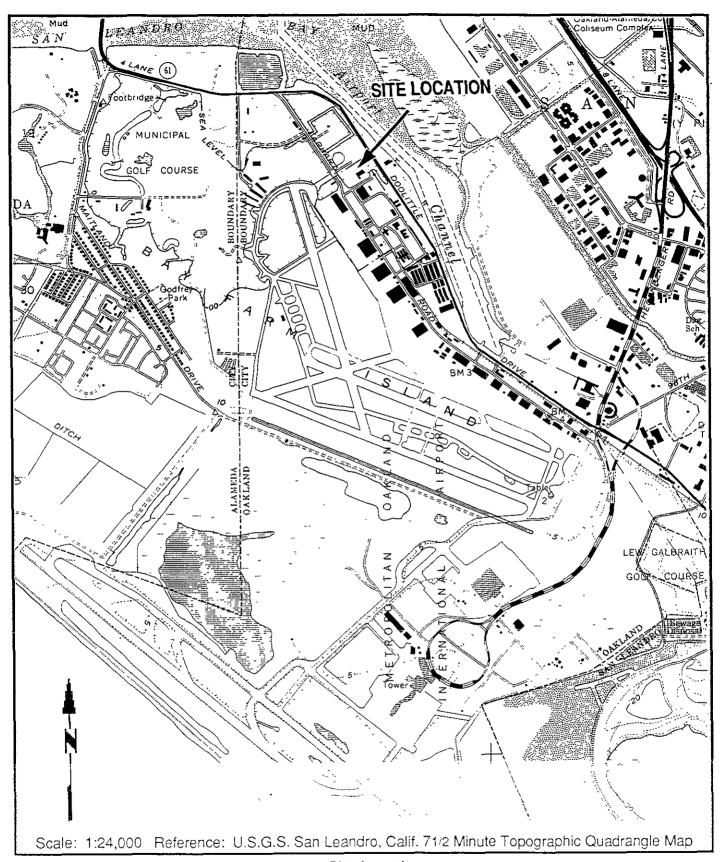
BATTELLE NO. 4869

Sincerely,

Project Manager

- Attachments: 1 Chain-of-Custody Form
 - 2 Laboratory Analytical Reports
 - 3 Sample TRACON-1 Chromatogram
 - 4 Uniform Hazardous Waste Manifest #90542267
 - 5 Certificate of Disposal
 - 6 Letter from FAA to Port of Oakland

cc: Charley Chamness - FAA, Los Angeles ASI File 9788-2212

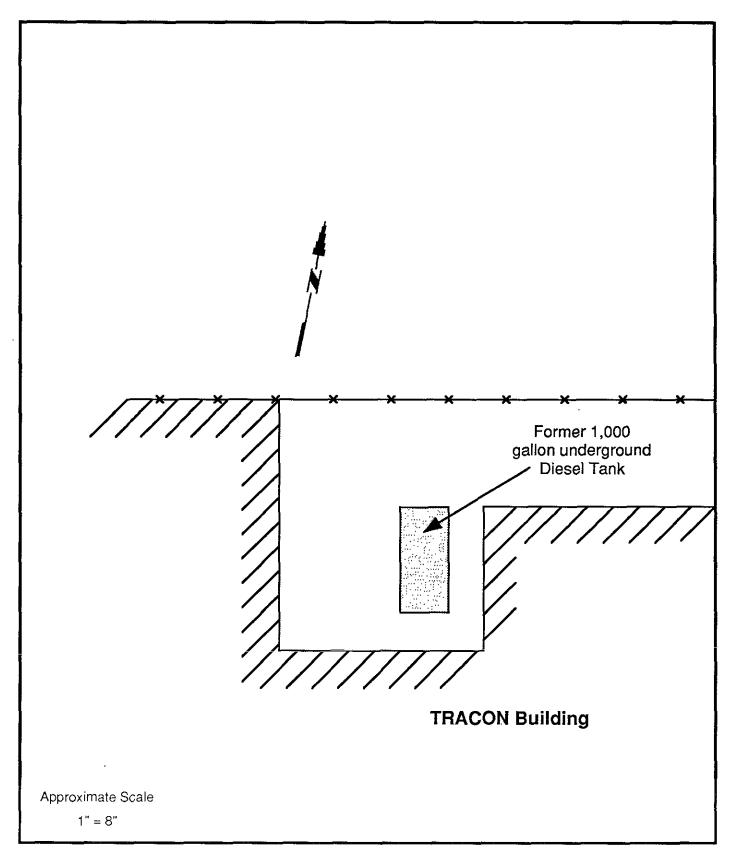




Site Location
Federal Aviation Administration
Oakland International Airport TRACON Facility
Tank Removal

PROJECT NO 9788-2212

FIGURE 1





SITE PLAN
Federal Aviation Administration
Oakland Airport TRACON Facility

PROJECT NO. 9788-2212 FIGURE 2

CHAIN-OF-CUSTODY FORM

Quality Assurance Laboratory
6605 Nancy Ridge Drive
San Diego, CA 92121 (619) 552-3636

CHAIN OF CUSTODY Date: 5-2-91 Page __

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LABORATORY ANALYTICAL REPORTS

QUALITY ASSURANCE LABORATORY 6605 NANCY RIDGE DRIVE SAN DIEGO, CALIFORNIA 92121 (619) 552-3636

ADVANCED SCIENCES, INC. ATTN: L. SINFIELD 4909 MURPHY CYN. RD., #400 SAN DIEGO, CA 92123

DATE OF REPORT
DATE RECEIVED
DATE OF SAMPLE
DATE COMPLETED
ANALYZED BY
SAMPLE TYPE
PROJECT NAME
PROJECT NUMBER

MAY 17, 1991 MAY 3, 1991 MAY 2, 1991 MAY 16, 1991 VJ 2 WATER

FAA TANKS

9788-22

ANALYSES RESULTS

ANALYSIS	METHOD	UNITS	LOG NUMBER: SAMPLE ID:	6123-91 TRACON 1	6124-91 TRACON 2
TPH	DHS	MG/L		36.6 *	
BENZENE	EPA 602	UG/L			<0.5
TOLUENE	EPA 602	UG/L			<0.5
ETHYLBENZENE	EPA 602	UG/L			<0.5
XYLENE	EPA 602	UG/L			<1.5

TPH - TOTAL PETROLEUM HYDROCARBONS

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

TOTAL PETROLEUM HYDROCARBON ANALYSES RESULTING IN HYDROCARBONS OF THE RANGE C10-C23

* CONTAINS OTHER HEAVY MOLECULAR WEIGHT COMPOUNDS

PETER	SHEN	
LABOR	YAOTA	DIRECTOR

PS/ft

QUALITY ASSURANCE	
LABORATORY	

QUALITY ASSURANCE LABORATORY 6605 NANCY RIDGE DRIVE SAN DIEGO, CALIFORNIA 92121 (619) 552-3636

ADVANCED SCIENCES, INC. ATTN: L. SINFIELD 4909 MURPHY CYN. RD., #500

DATE OF REPORT DATE RECEIVED DATE OF SAMPLE DATE COMPLETED ANALYZED BY SAMPLE TYPE PROJECT NAME PROJECT NUMBER

SAN DIEGO, CA 92123

JULY 9, 1991 MAY 3, 1991 MAY 2, 1991 MAY 16, 1991 VJ 6 SOIL FAA TANKS 9788-22

ANALYSES RESULTS

LOG NUMBER	SAMPLE ID	ANALYSIS: METHOD: UNITS:	TPH DHS MG/KG	DF	BENZENE BPA 8020 UG/KG	TOLUENE EPA 8020 UG/KG DE	ETHYLBENZ EPA 8020 UG/KG	ene d f	XYLENE EPA 802 UG/KG	20 DF
6125-91	TRACON 3		<10.0		<1.0	<1.0	<1.0		<3.0	
6126-91	TRACON 4		<10.0		<1.0	<1.0	<1.0		<3.0	
6127-91	TRACON 5 "STOCKPILE	r (3	75*		<1.0	<1.0	<1.0		<3.0	
6128-91	ARS 1	24,0	00×	100	1.9	<125 125	1,060	125	961	125
6129-91	ARS 2	•	15.1*		<1.0	<1.0	₹1.0		⟨3,0	
6130-91	ARS 3 "STOCKPILE"	1	44*		<1.0	<1.0	<1.0		<3.0	

TPH - TOTAL PETROLEUM HYDROCARBONS

DHS - RECOMMENDED PROCEDURE FROM LEAKING UNDERGROUND FUEL TANK FIELD MANUAL, MAY 1988

* TOTAL PETROLEUM HYDROCARBON ANALYSES RESULTING IN HYDROCARBONS OF THE RANGE C10-C23

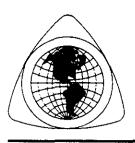
DF = DILUTION FACTOR. THE DETECTION LIMITS AND ANALYSIS RESULTS WERE CORRECTED ACCORDINGLY.

SAMPLE LOG # 6127-91 WAS RECEIVED IN A BROKEN CONTAINER. ENOUGH SOIL WAS OBTAINED FOR AMALYSES TO BE PERFORMED ON REMAINING SAMPLE OUT OF THE BROKEN CONTAINER. SAMPLE INTEGRITY MAY HAVE BEEN COMPROMISED

PETER SHEN

LABORATORY DIRECTOR

PS/ft



QUALITY ASSURANCE LABORATORY

QUALITY CONTROL DATA REPORT

MAY 20, 1991

ADVANCED SCIENCES, IUNC. (ASI) LOG #6123-91 THROUGH 6130-91 DATE ANALYZED: MAY 9, 1991

ANALYSES	METHOD	CCCV %RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
BENZENE	602	103%	56%*	4%
TOLUENE	602	99%	86%	23%
ETHYLBENZENE	602	99%	91%	39**
XYLENES	602	94%	87%	38%*
TPH	DHS	106%	99%	2%

^{*} SPIKE RECOVERY AND DUPLICATE RPD WERE HIGH DUE TO SAMPLE MATRIX EFFECT.

Den MacCale LISA MACCLELLAN QA/QC DIRECTOR

QUALITY CONTROL TERMINOLOGY

*CCCV-CONTINUING CALIBRATION CURVE VERIFICATION REPORTED AS % RECOVERY OF AN INDEPENDENT STANDARD TO VERIFY LINEARITY OF THE OPERATING STANDARD CURVE ACCEPTABLE RANGE IS 80%-120% RECOVERY *SPIKE-ENVIRONMENTAL SAMPLE IS MATRIX SPIKED WITH METHOD COMPOUNDS AND % RECOVERY OF CONCENTRATION SPIKED INTO SAMPLE IS CALCULATED REPORTED AS % RECOVERY ACCEPTABLE RANGE FOR NORMAL MATRIX SAMPLES" IS 75% 125% RECOVERY SURROGATES-COMPOUNDS REPRESENTATIVE OF A GROUP OF COMPOUNDS SURROGATES ARE SPIKED INTO ENVIRONMENTAL SAMPLES AND *- RECOVERY

OF CONCENTRATION SPIKED IS CALCULATED AND REPORTED. ACCEPTABLE RANGE VARIES DEPENDING UPON SAMPLE MATRIX AND ANALYSES METHOD.

BOTH PUBLICATIONS ARE AVAILABLE FROM QAL.

QUALITY CONTROL REPORT, CONTINUED MAY 20, 1991

ADVANCED SCIENCES, IUNC. (ASI) LOG #6123-91 THROUGH 6130-91 DATE ANALYZED: MAY 14, 1991

ANALYSES	METHOD	CCCV %RECOVERY	SPIKE %RECOVERY	DUPLICATE RPD
BENZENE	602	99%	56%*	4%
TOLUENE	602	101%	86%	23%
ETHYLBENZENE	602	108%	91%	39%*
XYLENES	602	104%	87%	38%*
TPH	DHS	105%	98%	2%

^{*} SPIKE RECOVERY AND DUPLICATE RPD WERE HIGH DUE TO SAMPLE MATRIX EFFECT.

Lisa Macclellan MS QA/QC DIRECTOR

SAMPLE TRACON-1 CHROMATOGRAM

C.10-CZ3 + heaver motout comp 36,6ppm

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* Instrument Type: Hewlett-Packard 5890 Column Type: Megabore; CV-5

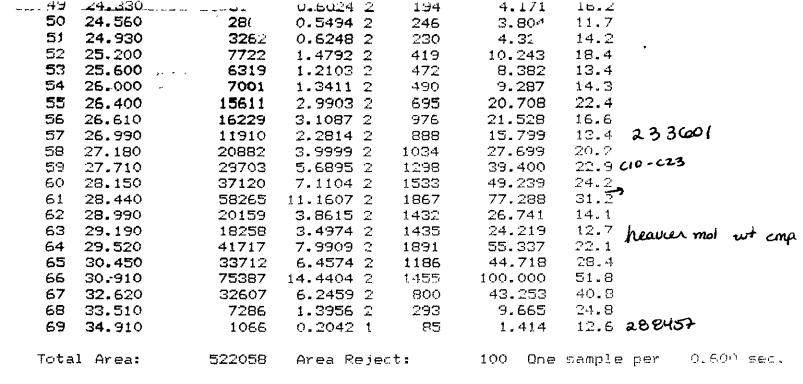
* Solvent Description: N/A(Purge & Trap)/ CS2

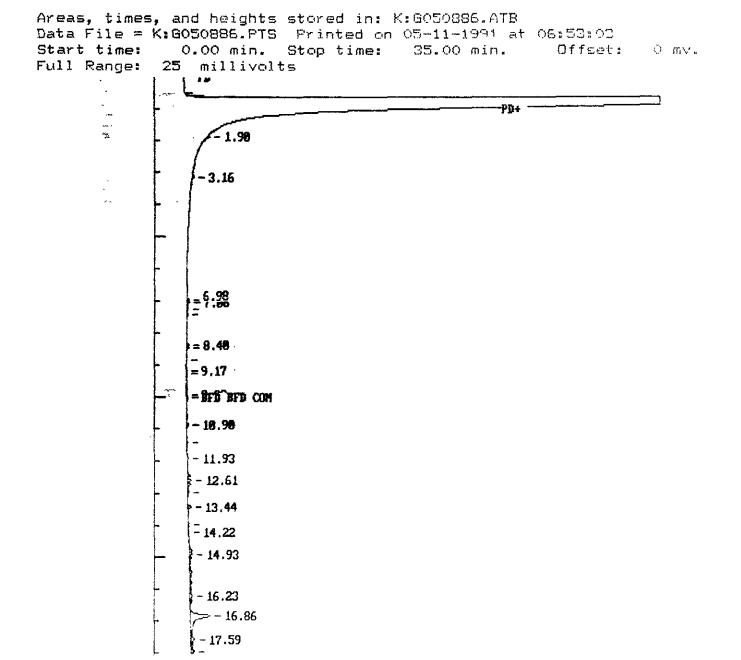
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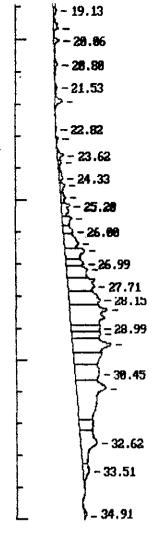
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9	6.980	420	0.0804		100	0.557	4.2
10	7.060	673	0.1289	2	120	0.893	5.6
11	7.280	327	0.0626	2	54	0.433	6.1
12	7.440	124	0.0238		23	0.165	5.4
17	8.400	505	0.0968	2	127	0.670	4.0
18	8.480	59 9	0.1147	2	118	0.794	5.1
19	8.830	193	0.0370	1	27	0.256	7.1
20	9.170	117	0.0224		23	0.155	5.0
21	9.280	154	0.0295		26	0.204	6.0
23	9.920	265	0.0507		31	0.351	8.7
24	10.030	795	0.1523		55	1.055	14.5
25	10.900	762	0.1459		83	1.010	9.2
26	11.440.	876	0.1678		67	1.162	13.0
27	11.930	517	0.0990		62	0.685	8.3
28	12.610	2580	0.4943		196		13.1
29	12.970	791	0.1515		63	1.049	12.5
30	13.440	1230	0.2357		168	1.632	7.3
31	13.980	388	0.0743		69	0.514	5.6
32	14.220	671	0.1285		58		11.5
33	14.930	3552	0.6804		170		20.8
34	16.230	6581	1.3600		140		45.9
25	16.850	13350	1.5577		1018	17.712	10.1
36	17.590	2132	0.4084		181	7.878	11.8
37	17.990	1853	0.3549		164	2.457	11.0
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See Instructions on Back of Page 6 and Front of Pag

Department of Health Services
Toxic Substances Control Division
Sacramento, California

A	print or type. Form designed for use on elite (1 1 typewriter).						Sacramento, Californ
1	UNIFORM HAZARDOUS 1. Generator's US EPA ID No. C A C 0 0 0 1 7 9 1 9 7 0 0	Manifest Surpent No.1	2. 1	of 1	intom:		he shaded areas by Federal law.
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	21615 Hesperian Blvd., Ste. A, Hayward, Ca. 94541 4 Generator's Phone (415) 784-8513		8. Sta	ite Ger	nerator's ID	<u> </u>	742200
	5. Transporter 1 Company Name 6. US EPA ID Number	<u> </u>	C. Sta	te Tra	nsporter's II		<u> </u>
1	H & H Ship Service Company C A D 0 0 4 7 7 Transporter 2 Company Name B. US EPA ID Number	1,1,6,8				(4.	15) 543-4835
İ		r 			naporter's it er's Phone	<u> </u>	
	9 Designated Facility Name and Site Address 10. US EPA ID Number H & H Ship Service Company	r	ł		ality's ID		
	220 China Basin Street		H. Fac	A. L	Phone	77	1116181
	San Francisco, CA 94107 [C A D 0 4 7 7]				543-4		
-	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont	Type	13	. Total Quantity	14. Unit Wt/Vol	I. Weste No.
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I	J. Additional Descriptions for Materials Listed Above PUMPED OUT 1,000 gallon tank last containing		к. На ^{а.} 01		Codes for W	/astes L	sted Above
	diesel. Tank inerted with dry ice for transport. PROFILE #A0 15. Special Handling Instructions and Additional Information		G.	,		d.	
	TOP #7547	JOB SITE	8	250	AND AII Earhai and, Ca	rt Ro	
	16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment at and are classified, packed, marked, and labeled, and are in all respects in proper condition national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume.	for transport t	curately by highw	descri ay acc	ibed above i	oy prope	r shipping name international and
- 1	to be economically practicable and that I have selected the practicable method of treatment present and future threat to human health and the environment; OR, if I am a small quantity generation and select the best waste management method that is available to me and that I	t, storage, or o generator I ba	legonogal	CHIFTED	tiv avedenie	to me u	dich minimizes the
1							
-	Printed/Typed Name Signature				/		Month Day Year
	WILLIAM L COPELAN	£			/ <u>-</u>		Month Day Year 10 5 10 2 9 1
1	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	-L	1		fr		
	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID E. RICSBY Signature	-L			<u>/-</u>		101510121911
	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature	L XIA			<u>/-</u>		0 5 0 2 9 1 Month Day Year
	Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID E. RICSBY 18 Transporter 2 Acknowledgement of Receipt of Materials Printed Typed Name Signature Signature	L XIA			<u>/</u> =		Month Day Year 10 5 0 2 9 1
	17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID E. RICSBY 18 Transporter 2 Acknowledgement of Receipt of Materials	-L XIA					Month Day Year 0 5 0 2 9 1
	17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID E. RICSBY 18 Transporter 2 Acknowledgement of Receipt of Materials Printed Typed Name Signature Signature 3 Discrepancy indication Space	L XIA	as to the	an 'e			Month Day Year 10 5 0 2 9 1
	17 Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name DAVID E. RICSBY 18 Transporter 2 Acknowledgement of Receipt of Materials Printed Typed Name Signature Signature 3 Dispreparation Space	L XIA	as 10 te	d n .e			Month Day Year 0 5 0 2 9 1

CERTIFICATE OF DISPOSAL



CERTIFICATE OF DISPOSAL

MAY 07, 1991

543-4	H &		pany hereby certifies to F. A. A.
NIGHT:	1.	The storage tank(s)	, size(s) ONE (1) 1,000 GALS.
AND		removed from the	OAKLAND AIRPORT (TRACON)
DAY /		facility at	8250 EARHART ROAD
•			OAKLAND, CALIFORNIA
50, CA 94107	San	Francisco, Californ	H Ship Service Company, 220 China Basin St., ia 94107.
FRANCISCO,			cleaned, cut with approximately 2' X 2' holes, and disposed of as scrap metal.
FR	3.	Disposal site: SCHN	ITZER STEEL, OAKLAND, CALIFORNIA.
BASIN, SAN	4.		od of destruction/disposal is suitable for the and fully complies with all applicable at requirements.
VA BA	5.	Should you require (415) 543-4835.	further information, please call

Very Truly Yours,

cleverand Valrey
Operations Coordinator



LETTER FROM FAA TO PORT OF OAKLAND



u 5 Deportment of Transportation

Federal Aviation Administration

AUG 2 6 1991

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F44 4MP-464

20 Bak 92007 Worldway Postal Center Los Aligeres, CA 50009

Ms. Karen G. Warson Port of Oakland Airport Properties Department P.O. Box 2064 Oakland, CalifORNIA 94604-2064

Dea: Ms. Watson:

Lease - FAA TRACON Oakland International Airport

On May 2. 1991 the FAA excavated and removed a 1,000 gallon capacity diesel tank adjacent to the FAA Oakland Airport TRACON facility. Upon excavation the tank appeared intact with no visible diesel leaks or stains. FAA has annual tank integrity tests going back three years which indicate that this tank has not leaked.

Soil samples and water samples were taken on May 2. 1991. Detectable concentrations of hydrocarbons and volatile organics were not identified in the soil samples collected in the bottom of the tank excavation. Water sample TRACON-1 showed a TPH concentration of 36.6 Milligrams per liter (mg/l) of hydrocarbons with a carbon chain range slightly less than, at, and greater than C-23 (above the diesel hydrocarbon range). These petroleum hydrocarbons are within the carbon chain range of fuel oil.

in reviewing this lease file reference is made to the Port of Oakland removing numerous abandoned fuel storage structures and underground tanks from this property prior to FAA accepting the location for construction of the TRACON It is our understanding that fuel oil was stored at this tank farm. The FAA has never accepted nor used any of the tanks that were on the property prior to the lease agreement.

In Title 42 of the United States Gode, Subsection IX, Regulation of Underground Storage Tanks, Section 6991, Definitions and exemptions, states: (3) The term "Owner" means

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Under these regulations the Port of Oakland is the owner and Responsible Party in any remedial action required by the Alameda County Department of Environmental Health (DEH). Mr. Barney Chan, Hazardous Materials Specialist, Division of Hazardous Materials, Department of Environmental Health, Alameda County Health Agency, 80 Swan Way, Room 200, Oakland, California, 94621 has been identified as the contact point.

It you have any questions or comments, please contact Mr. James Williams at (213) 297-0471 or Mr. Charley Chamness at (213) 297-1109.

Binderety,

Charley Whamness

Manager, AF Hazardous Materials, AWF-464.10

Airway Facilities Division