4610

HK2, INC./SEMCO

1751 LESLIE STREET • SAN MATEO, CA 94402 • (415) 572-8033 • (415) 572-9734 FAX

GENERAL ENGINEERING & ENVIRONMENTAL CONTRACTORS LICENSE NO. 719103 (A. B. C57, C61,D40.HAZ. ASB)

September 12, 1996

ref: 96-0220

Barney Chan
Alameda County
Environmental Health Department
1131 Harbor Bay Parkway
Alameda, California 94502
(510) 567-6700 phone
(510) 337-9335 fax

re: Tank removal at 3927 East 14th Street, Oakland, California.

Dear Mr. Barney Chan,

Enclosed is the tank removal report for the site located at 3927 East 14th Street in Oakland, California. The residual product and rinsate from this tank removal has already been picked up by Evergreen Environmental Services. As soon as I receive the materials manifest in the mail I will forward a copy to your office for this report. Please let me know if you have any questions.

Sincerely,

HK2, Inc/SEMCO

Mark Dysert
Environmental Specialist

cc: Ruben Hausauer c/o Tommy Conner

96 SEP 16 PM 4:04

Tank Removal Report

Site Location:

3927 E. 14th Street
Oakland, California

Prepared For:

Ruben Hausauer c/o Tommy Conner
444 De Haro Street, #121
San Francisco, California 94107
(415) 621-3939 phone
(415) 621-3999 fax

Submitted To:

Barney Chan
Alameda County
Department of Envirnomental Health
1131 Harbor Bay Parkway, Room 250
Alameda, California 94502
(510) 567-6765 phone
(510) 337-9335 fax

Prepared By:

HK2, Inc. /SEMCO
1751 Leslie Street
San Mateo, California 94402
(415) 572-8033 phone
(415) 572-9734 fax

Job# 96-0220

CERTIFICATION

This report was prepared by HK2, Inc./SEMCO under the professional direction and review of the person whose name and seal are shown below.

The recommendations and professional opinions presented herein, are within the limits prescribed by the client and were prepared in accordance with generally accepted professional engineering and industrial hygiene practices. There is no other warranty either expressed or implied.

Stanley L. Klemetson, Ph. D., P.E.

Tank Removal Report
3927 E. 14th Street
Oakland, California

HK2, Inc./SEMCO was contracted by Ruben Hausauer to remove one (1) 550 gallon waste oil underground storage tank (UST) from the site located at 3927 E. 14th Street, Oakland, California. This report covers the tank removal and sampling activities.

On Saturday, August 10, 1996 HK2, Inc. began work at the site. The tank was thought to have been filled in place around 1984. An 8" fill was removed from the top of the tank revealing that the tank had not been previously filled in place. A represenative at ATC Environmental was advised as well as Barney Chan of the Alameda County Department of Environmental Health.

One liter bottle of product was removed from the tank prior to breaking out the concrete. Two voas were collected from the one liter bottle by ATC. The concrete was removed in order to access the tank. The tank was lying parallel to the sidewalk. The soil was removed from the top and along one side of the tank and stockpiled on site. The first one foot of excavated material had the consistency of Bay Mud with heavy odor of waste oil.

Barney Chan of the Alameda County Department of Environmental Health was on site to verify the tank readings and witness the removal, loading and sampling activities. Two service lines were removed prior to the tank being pumped. The two service lines that were removed both had product in them. The UL Label # D-588109 was removed. The tank was inerted with solid carbon dioxide (dry ice) until acceptable levels of oxygen and lower explosive limits had been reached to meet safety requirements. An access hole was cut into the top of the tank after verifying the LEL readings. The balance of the residual product was pumped from the tank. During the course of the project a total of approximately 150 gallons of product, water and rinsate was pumped into three (3) 55 gallon D.O.T. approved drums for disposal by Evergreen Environmental Services. A copy of the materials manifest will be forwarded to your office when it is received from the disposal company.

The tank was removed from the excavation. There was some water and waste oil present in the bottom of the excavation. The exterior of the tank was cleaned. The tank had no apparent holes. Soil sampling was performed by Chuck Kiper of HK2, Inc.

There was two (2) samples collected. A four part composite sample *#1-COMP-Spoils-Soil* was collected from the stockpiled soil. One sample was collected from the excavation *#2-550-WO-10'-Soil* approximately 10 feet bgs.

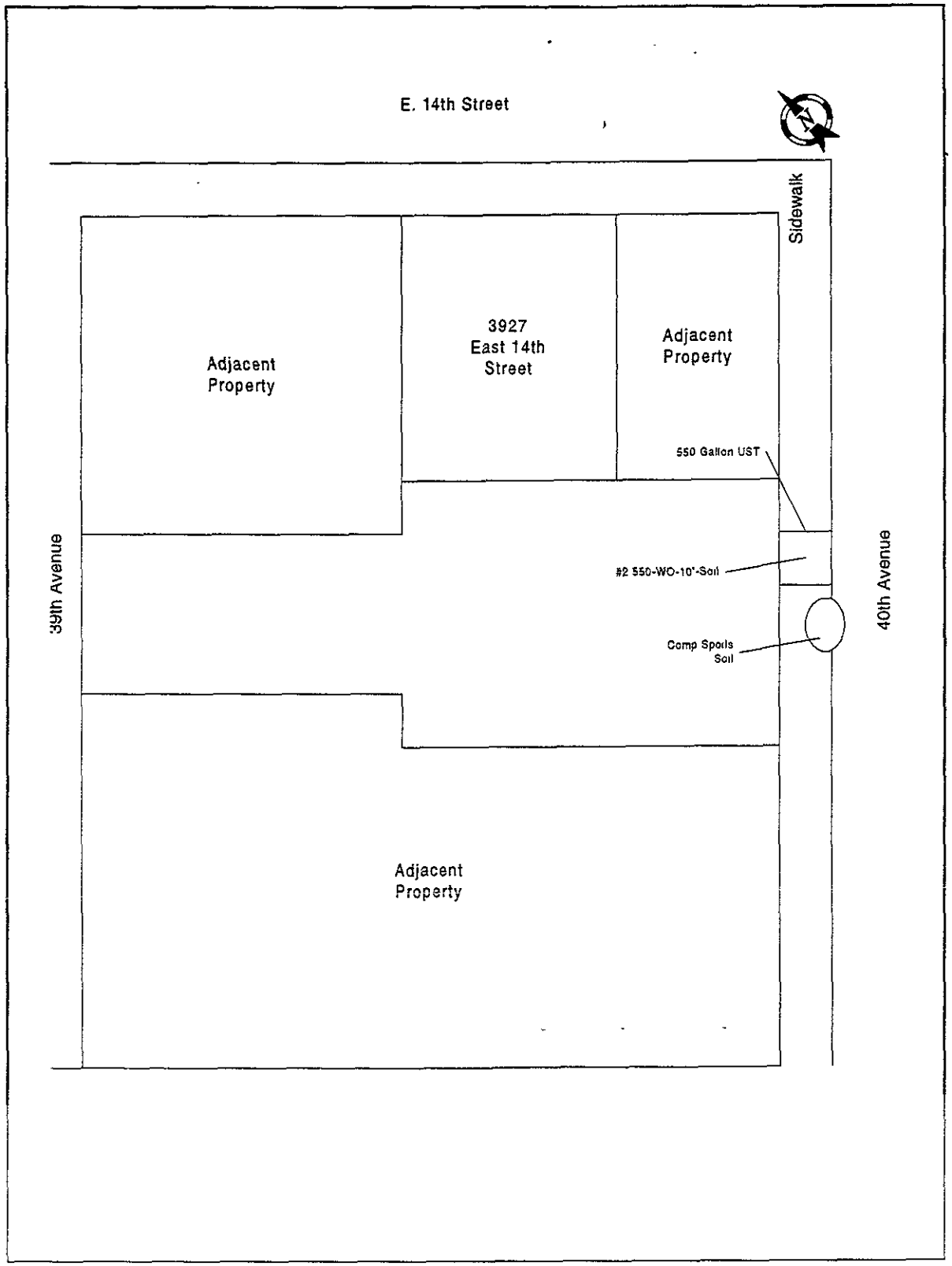
All samples were collected in clean brass tubes, which were sealed with Teflon tape, pre-formed plastic end caps and masking tape. The samples were labeled and entered onto a chain of custody and placed in an iced cooler for transportation to North State

Environmental for the analysis of TPH-D, TPH-G, BTEX, Oil and Grease and CAM 17 Metals. Analytical results are presented in the Appendix.

The tank was triple rinsed with a high pressure, hot water wash. The pumps being used for pumping clogged up so the balance of clean up on the tank was completed with grease sweep and suctioned out. The tank was trnasported back to our facility in San Mateo, California and reduced to scrap metal on August 12, 1996.

Barney Chan advised HK2, Inc. to backfill the excavation. The excavation was lined with visqueen and backfilled with the excavated material. The site was cleaned up and secured.

This report was prepared from field technicians worksheets, inspector's field notes and analytical data pertaining to this site.



Site Layout and Sampling Locations

Appendix

EXCAVATION PERMIT

CIVIL ENGINEERING

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

PERMIT NUMBER X9600626	SITE ADDRESS/LOCATION 3927 · E 14th ST
APPROX. START DATE / APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS 719103	CITY BUSINESS TAX #

ATTENTION:

1) State law requires that the contractor/owner call *Underground Service Alert (USA)* two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1 (800) 642-2444. UNDERGROUND SERVICE ALERT (USA) #: ____________

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than $500):

☐ I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exempt from the sale requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

☐ I am exempt under Sec. ____________, B&PC for this reason ____________.

WORKER'S COMPENSATION

☐ I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # ____________ Company Name ____________

☐ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars ($100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Chapter 6, Article 2 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law

[signature] 8-9-96

Signature of Permittee ☐ Agent for ☒ Contractor ☐ Owner Date

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☐ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☐ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☐ NO
ISSUED BY [signature]		DATE ISSUED 8-9-96	

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☑ 7 PERMANENTLY CLOSED SITE ☐ 6 TEMPORARY SITE CLOSURE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME		NAME OF OPERATOR	
ADDRESS: 3927 E 14th ST		NEAREST CROSS STREET	PARCEL # (OPTIONAL)
CITY NAME: Oakland	STATE: CA	ZIP CODE: 94621	SITE PHONE # WITH AREA CODE

✓ BOX TO INDICATE: ☐ CORPORATION ☐ INDIVIDUAL ☐ PARTNERSHIP ☐ LOCAL-AGENCY DISTRICTS ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY

TYPE OF BUSINESS: ☐ 1 GAS STATION ☐ 2 DISTRIBUTOR ☐ 3 FARM ☐ 4 PROCESSOR ☑ 5 OTHER

☐ ✓ IF INDIAN RESERVATION OR TRUST LANDS | # OF TANKS AT SITE: 1 | E. P. A. I. D. # (optional): CAC001140072

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST): Dawsauer, Ruben	PHONE # WITH AREA CODE: 510-638-7501	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST): Same	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME: Ruben Dawsauer	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS: 6017 E. 14th St	✓ box to indicate: ☒ INDIVIDUAL ☐ CORPORATION ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Oakland	STATE: CA	ZIP CODE: 94621	PHONE # WITH AREA CODE: 510-638-7501

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER: Ruben Dawsauer	CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS: 6017 E 14th St.	✓ box to indicate: ☒ INDIVIDUAL ☐ CORPORATION ☐ PARTNERSHIP ☐ LOCAL-AGENCY ☐ COUNTY-AGENCY ☐ STATE-AGENCY ☐ FEDERAL-AGENCY		
CITY NAME: Oakland	STATE: CA	ZIP CODE: 94621	PHONE # WITH AREA CODE: 510-638-7501

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 739-2582 if questions arise.

TY (TK) HQ 44 - ☐☐☐☐☐☐☐

V. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. ☐ II. ☑ III. ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE)	APPLICANT'S TITLE	DATE MONTH/DAY/YEAR
Rhonda Reames-Kipen	Operations Manager	8-2-96

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
☐☐	☐☐☐	☐☐☐☐☐☐☐

LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPVISOR - DISTRICT CODE - OPTIONAL

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☑ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: 6617 E 14th ST. Oakland

I. TANK DESCRIPTION

COMPLETE ALL ITEMS – SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # unk	B. MANUFACTURED BY: unk
C. DATE INSTALLED (MO/DAY/YEAR) unk	D. TANK CAPACITY IN GALLONS: 550

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☐ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☐ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED C. A. S. # :

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☑ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☑ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☑ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) _____ OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) _____

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A (U) 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U 99 OTHER

B. CONSTRUCTION: A (U) 1 SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U 1 BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A (U) 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☑ 99 OTHER

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☑ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR)	2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING	3. WAS TANK FILLED WITH INERT MATERIAL ?
unk	0 GALLONS	YES ☑ NO ☐

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): Rhonda Kramer-Kyer DATE: 8-2-96

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.#	COUNTY #	JURISDICTION #	FACILITY #	TANK #

PERMIT NUMBER	PERMIT APPROVED BY/DATE	PERMIT EXPIRATION DATE

FORM B (7-91) THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.

FOR0034B-RS

North State Environmental Analytical Laboratory

96-570

Chain of Custody/Request for Analysis

(415) 588-9652

Client: HK2, INC.	Phone:	Report to: HK2, INC	Turnaround Time
Mailing Address: 1751 Lesure ST SAN MATEO, CA 94402		Billing to: →	8 Hr ☐ 24 Hr ☐ 40 Hr ☐ 5 Days ☐ Other ☐
Site Address: 3927 E. 14th ST. OAKLAND		PO # / Billing Reference: 96-0220	
Sampler: Chuck Kupin	Date:		

	Sample ID	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	O+G	CAM 17	RCI				Remarks
-1	#1 - Comp Spoils - Soil		4-Brass	8/10 11:15	✓	✓	✓	✓	✓	✓				
-2	#2-550 - WO-101 - Soil		1-Brass		✓	✓	✓	✓	✓					

Relinquished by: K. Kupin / HK2 INC	Date: 8-12-96	Time: 14:47	Received by:		Yes / No
Relinquished by:	Date:	Time:	Received by:	Were samples Preserved ?	✓
Relinquished by:	Date:	Time:	Received in lab by:	In good condition ?	✓

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 96-570
Client: Semco/HK2
Project: 3927 E. 14th St. Oakland

Date Sampled: 08-10-96
Date Anaytzed: 08-14-96
Date Reported: 08-14-96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, gasoline range hydrocarbons by EPA method 8015M
TEPH by Method SM 5520 F & F

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
96-570-01	Comp Spoils Soil	Benzene	8020	0.07 mg/Kg
		Toluene	8020	0.40 mg/Kg
		Ethylbenzene	8020	0.43 mg/Kg
		Xylenes	8020	1.3 mg/Kg
		Gasoline	8015M	126 mg/Kg
		Diesel	8015M	85 mg/Kg
		TEPH	5520 F	400 mg/Kg
96-570-02	#2 550-WO-10'- Soil	Benzene	8020	0.16 mg/Kg
		Toluene	8020	0.62 mg/Kg
		Ethylbenzene	8020	1.7 mg/Kg
		Xylenes	8020	4.1 mg/Kg
		Gasoline	8015M	410 mg/Kg
		Diesel	8015M	1.5 mg/Kg
		TEPH	5520F	550 mg/Kg

P C Box 5624 · South San Francisco, California 94083 · 415-588-2838 FAX 588-1960

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 96-570
Client: Semco/HK2
Project: 3927 E. 14th St., Oakland

Date Sampled: 08-10-96
Date Analyzed : 08-14-96
Date Reported: 08-14-96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, gasoline range hydrocarbons by EPA method 8015M
TEPH by Method SM 5520 E & F

Quality Control/Quality Assurance Summary- Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.005 mg/Kg	ND	120	3
Toluene	8020	0.005 mg/Kg	ND	122	8
Ethylbenzene	8020	0.005 mg/Kg	ND	132	10
Xylenes	8020	0.01 mg/Kg	ND	113	7
Gasoline	8015M	0.5 mg/Kg	ND	85	7
Diesel	8015M	1 mg/Kg	ND	110	1
TEPH	5520F	50 mg/Kg	ND	68	2

ELAP Certificate NO: 1753

Reviewed and Approved:

John A. Murphy
Laboratory Director

P.O. Box 5624 · South San Francisco, California 94083 · 415-588-2838 FAX 588-1550

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 96-556
Client: Semco/HK2
Project: 3927 E.14th St., Oakland

Date Sampled: 08-10-96
Date Extracted: 08-17-96
Date Analyzed: 08-17-96

REACTIVE CYANIDE BY SW-846 CHAPTER 7, SEC. 7.3.3.2
REACTIVE SULFIDE BY SW-846 CHAPTER 7, SEC. 7.3.4.2
PH OF SOIL WASTES BY METHOD 9045
FLASHPOINT BY METHOD 1010 CLOSED CUP PENSKY-MARTENS

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
96-531-03	SP-Comp	CYANIDE	CH7 7.3.3.2	ND<10 mg/Kg
	SOIL	SULFIDE	CH7 7.3.4.2	ND<5 mg/Kg
		PH	9045	8.1
		FLASHPOINT	1010	> 200 F

pH meter was calibrated using 3 buffer solutions from Spectrum Chemical Co., at pH 4,7, and 10.

ELAP Certificate NO: 1753

Reviewed and Approved:

John A. Murphy, Laboratory Director

P O Box 5624 · South San Francisco California 94083 · 415-588-2838 FAX 588-1950

21723

21723

North State Environmental Analytical Laboratory

Chain of Custody/Request for Analysis

(415) 588-9652

Client: NORTH STATE	Phone: 415 588-9652	Report to: G. ORURKE	Turnaround Time
Mailing Address: 96 S' SPRUCE 'W' SSF		Billing to: G. ORURKE	8 Hr / 24 Hr / 40 Hr / 5 Days ✓
Site Address: 3927 E. 14th ST, OAKLAND		PO # / Billing Reference: 96-570	Other
Sampler:	Date:		

Sample ID	Sample Description	Container # / type	Sampling Time/Date	TPH-D	TPH-G	BTEX	O+G	CAM 17				Remarks
96570-01	COMP SPOILS	1 GL	8-12-96					X				
↓ 02	#2-550-W0-10'	1 GL	↓					X				

Please Initial: PT
Samples Stored in ice. Yes
Appropriate containers Yes
Samples preserved NA
VOA's without headspace NA
Comments: T= 3.0°C

Relinquished by: [signature]	Date: 8-13-96 Time: 10:17	Received by: Dennis Cleary SKW	
Relinquished by: Dennis Cleary	Date: 8/13/96 Time: 11:21	Received by:	Were samples Preserved? N/A
Relinquished by:	Date: Time:	Received in lab by: [signature] 8/13/96 11:21	In good condition? Yes X

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
90 SOUTH SPRUCE ST. UNIT W
SOUTH SAN FRANCISCO, CA 94053

Date: August 20, 1996

Attn: JOHN MURPHY

Laboratory Number : 21723

Project Number/Name : N/A
Facility/Site : 3927 E. 14th, Oakland

Dear JOHN MURPHY:

Attached is Superior Analytical Laboratory report for the samples received on August 13, 1996. This report has been reviewed and approved for release. Following the cover letter is the Case Narrative detailing sample receipt and analysis. Also enclosed is a copy of the original Chain-of-Custody record confirming receipt of samples.

Please note that any unused portion of the sample will be discarded after September 12, 1996, unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please contact our Laboratory at (510) 313-0850.

Sincerely,

Afsaneh Salimpour
Project Manager

Superior
Analytical Laboratory

CASE NARRATIVE

NORTH STATE ENVIRONMENTAL
Project Number/Name: N/A
Laboratory Number: 21723

Sample Receipt

Two soil samples were received by
Superior Analytical Laboratory on August 13, 1996.

Cooler temperature was 3°C

No abnormalities were noted with sample recieving.

Sample Analysis

The samples were analysed for methods 6010 and 7471.

CAM17/ICP
- Reporting limit increased due to matrix interferences.

Customer Service: (800) 521-6109 • Laboratory: (510) 313-0850 • Facsimile: (510) 229-0916
Post Office Box 2648 • 835 Arnold Drive • Suite #106 • Martinez, California 94553
1555 Burke Street • Suite A • San Francisco, California 94124

Superior Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on August 14, 1996

Analysis for CAM 17 Metals
California Administration Code Title 22, Paragraph 66700 & EPA
Methods SW-846 6010 & 7000 Series

LAB ID	Sample ID	Matrix	Dil.Factor	Moisture
21723-01	96-570-01	Soil	1.0	-
21723-02 &	96-570-02	Soil	2.0	-

RESULTS OF ANALYSIS

WO-10'

Compound	21723-01 Conc. mg/kg	RL	21723-02 Conc. mg/kg	RL
Mercury (SW-846 7471)	0.38	0.05	0.12	0.05
Antimony (SW-846 6010)	ND	5.0	ND	10
Arsenic (SW-846 6010)	5.6	5.0	ND	10
Barium (SW-846 6010)	120	0.75	120	1.5
Beryllium (SW-846 6010)	0.5	0.25	ND	0.50
Cadmium (SW-846 6010)	0.75	0.25	ND	0.50
Chromium (SW-846 6010)	58	0.5	63	1.0
Cobalt (SW-846 6010)	16	0.5	20	1.0
Copper (SW-846 6010)	21	1.0	23	2.0
Lead (SW-846 6010)	390	2.5	45	5.0
Molybdenum (SW-846 6010)	ND	1.0	ND	2.0
Nickel (SW-846 6010)	120	1.0	200	2.0
Silver (SW-846 6010)	ND	1.0	ND	2.0
Selenium (SW-846 6010)	ND	5.0	ND	10
Thallium (SW-846 6010)	ND	10	ND	20
Vanadium (SW-846 6010)	40	1.5	40	3.0
Zinc (SW-846 6010)	1100	1.0	79	2.0

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Analysis for CAM 17 Metals
California Administration Code Title 22, Paragraph 66700 & EPA
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Quality Assurance and Control Data

Laboratory Number: 21723
Method Blank(s)

	CH132.44-01		CH133.12-01	
	Conc.	RL	Conc.	RL
	mg/kg		mg/kg	
Mercury (SW-846 7471)			ND	0.05
Antimony (SW-846 6010)	ND	5.0		
Arsenic (SW-846 6010)	ND	5.0		
Barium (SW-846 6010)	ND	0.75		
Beryllium (SW-846 6010)	ND	0.25		
Cadmium (SW-846 6010)	ND	0.25		
Chromium (SW-846 6010)	ND	0.5		
Cobalt (SW-846 6010)	ND	0.5		
Copper (SW-846 6010)	ND	1.0		
Lead (SW-846 6010)	ND	2.5		
Molybdenum (SW-846 6010)	ND	1.0		
Nickel (SW-846 6010)	ND	1.0		
Silver (SW-846 6010)	ND	1.0		
Selenium (SW-846 6010)	ND	5.0		
Thallium (SW-846 6010)	ND	10		
Vanadium (SW-846 6010)	ND	1.5		
Zinc (SW-846 6010)	ND	1.0		

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Analysis for CAM 17 Metals
California Administration Code Title 22, Paragraph 66700 & EPA
Methods SW-846 6010 & 7000 Series

Quality Assurance and Control Data

Laboratory Number: 21723

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
For Soil Matrix (mg/kg) CH132.44 02 / 03 - Laboratory Control Spikes						
Antimony (SW-846 6010)		50	46.2/46.8	92/94	75-125	2
Arsenic (SW-846 6010)		50	46.9/47	94/94	75-125	0
Barium (SW-846 6010)		50	47/46.6	94/93	75-125	1
Beryllium (SW-846 6010)		50	44.5/44.4	89/89	75-125	0
Cadmium (SW-846 6010)		50	46.8/47.2	94/94	75-125	0
Chromium (SW-846 6010)		50	48/47.8	96/96	75-125	0
Cobalt (SW-846 6010)		50	47.8/47.6	96/95	75-125	1
Copper (SW-846 6010)		50	48.6/48.2	97/96	75-125	1
Lead (SW-846 6010)		50	47.2/46.7	94/93	75-125	1
Molybdenum (SW-846 6010)		50	47.6/47.5	95/95	75-125	0
Nickel (SW-846 6010)		50	48.3/47.8	97/96	75-125	1
Silver (SW-846 6010)		50	54.1/54.3	108/109	75-125	1
Selenium (SW-846 6010)		50	46.4/46.8	93/94	75-125	1
Thallium (SW-846 6010)		50	49.3/48.8	99/98	75-125	1
Vanadium (SW-846 6010)		50	46.9/46.6	94/93	75-125	1
Zinc (SW-846 6010)		50	47.5/47.4	95/95	75-125	0
For Soil Matrix (mg/kg) CH133.12 02 / 03 - Laboratory Control Spikes						
Mercury (SW-846 7471)		1.0	0.955/0.98	96/98	75-125	2
For Soil Matrix (mg/kg) CH132.44 04 / 05 - Sample Spiked: 21703 - 01						
Antimony (SW-846 6010)	ND	50	33 2/33.2R	66/66	75-125	0
Arsenic (SW-846 6010)	ND	50	59/58.5	118/117	75-125	1
Barium (SW-846 6010)	164	50	207/201R	86/74	75-125	15
Beryllium (SW-846 6010)	ND	50	48.2/49.5	96/99	75-125	3
Cadmium (SW-846 6010)	ND	50	52.6/54.1	105/108	75-125	3

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Analysis for CAM 17 Metals
California Administration Code Title 22, Paragraph 66700 & EPA
Methods SW-846 6010 & 7000 Series

Quality Assurance and Control Data

Laboratory Number: 21723

Compound	Sample conc.	SPK Level	SPK Result	Recovery %	Limits %	RPD %
Chromium (SW-846 6010)	66	50	107/105	82/78	75-125	5
Cobalt (SW-846 6010)	16.9	50	66.9/68.2	100/103	75-125	3
Copper (SW-846 6010)	31	50	79.1/80.3	96/99	75-125	3
Lead (SW-846 6010)	65.7	50	132/97.8G	133/64	75-125	70
Molybdenum (SW-846 6010)	ND	50	48.6/49.9	97/100	75-125	3
Nickel (SW-846 6010)	110	50	142/157G	64/94	75-125	38
Silver (SW-846 6010)	ND	50	59.9/60.5	120/121	75-125	1
Selenium (SW-846 6010)	ND	50	44.8/47.6	90/95	75-125	5
Thallium (SW-846 6010)	ND	50	46.4/48	93/96	75-125	3
Vanadium (SW-846 6010)	42	50	89.1/91.3	94/99	75-125	5
Zinc (SW-846 6010)	240	50	254/240G	28/0	75-125	200
		For Soil Matrix (mg/kg)				
		CH133.12 04 / 05 - Sample Spiked: 21723 - 02				
Mercury (SW-846 7471)	0.12	1.0	1.08/1.1	96/98	75-125	2

& - Reporting limit increased due to matrix interferences.

G - The variation in spike recoveries reflects the nonhomogeneity of the sample.

R - MS and/or MSD recoveries were out of control limits. LCS / LCSD recoveries were within acceptable limits.

Definitions.

ND = Not Detected
RL = Reporting Limit
NA = Not Analysed
RPD = Relative Percent Difference
ug/L = parts per billion (ppb)
mg/L = parts per million (ppm)
ug/kg = parts per billion (ppb)
mg/kg = parts per million (ppm)

Superior
Analytical Laboratory

NORTH STATE ENVIRONMENTAL
Attn: JOHN MURPHY

Project
Reported on August 14, 1996

Analysis for CAM 17 Metals
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Chronology

Laboratory Number 21723

Sample ID	Sampled	Received	Extract.	Analyzed	QC Batch	LAB #
96-570-01	08/12/96	08/13/96	08/13/96	08/13/96	CH133.12 CH132.44	01
96-570-02	08/12/96	08/13/96	08/13/96	08/13/96	CH133.12 CH132.44	02

QC Samples

QC Batch #	QC Sample ID	Type	Ref.	Matrix	Extract.	Analyzed
CH132.44-01	Method Blank	MB		Soil	08/13/96	08/14/96
CH132.44-02	Laboratory Spike	LS		Soil	08/13/96	08/14/96
CH132.44-03	Laboratory Spike Duplicate	LSD		Soil	08/13/96	08/14/96
CH132.44-04	WO@6.5' DISCRETE	MS	21703-01	Soil	08/13/96	08/14/96
CH132.44-05	WO@6.5' DISCRETE	MSD	21703-01	Soil	08/13/96	08/14/96
CH133.12-01	Method Blank	MB		Soil	08/13/96	08/13/96
CH133.12-02	Laboratory Spike	LS		Soil	08/13/96	08/13/96
CH133.12-03	Laboratory Spike Duplicate	LSD		Soil	08/13/96	08/13/96
CH133.12-04	96-570-02	MS	21723-02	Soil	08/13/96	08/13/96
CH133.12-05	96-570-02	MSD	21723-02	Soil	08/13/96	08/13/96