

white - env. health
yellow - facility
pink - files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy
Alameda CA 94502
510/567-6700

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Residential Today's Date 11/7/96

Site Address 743 Santa Clara Ave.

City Alameda Zip 94501 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- ____ III. Under ground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

Came out to site in morning to oversee ~~see over~~ excavation and the collection of two confirmatory soil samples from the west end of the former 1,500-gallon heating oil UST. During excavation, a water line on the west end was broken and water rushed in and filled the tank pit. The water began seeping into the soils, and SEMCO went ahead and tried to pump as much of the water out as possible into 355-gallon drums. The tank pit will be pumped & after further excavation, if there is recharge, addit. pumping should be conducted. The water from the lines has obviously mixed w/ existing aquifer, due to the fact that water did not overflow from pit & remained steady at top of tank during ^{leak} flow. Also, water in pit began to seep after water leak from pipe was turned off. The wet soil was excavated down to 9-foot bgs, as prepared in w.p., and placed on ~~reservoir~~ for observation. Later, after the pit was excavated down to 8-foot bgs on both ends, the sidewalk was undermined and the concrete along the sidewalk as well as the soil sloughed off into pit. The concrete fell on top of another watchline and broke it. Water rushed into pit

Contact Mark Dysert
Title Environmental Specialist
Signature Mark Dysert

Inspector Juliet Shinn
Signature Juliet Shinn

II, III

ALAMEDA COUNTY, DEPARTMENT OF
ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

II, III

white - env. health
yellow - facility
pink - files

89 206

Site ID # _____ Site Name Residential Today's Date 11/7/96

Site Address 743 Santa Clara Ave

City Alameda Zip 94 Phone _____

____ MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

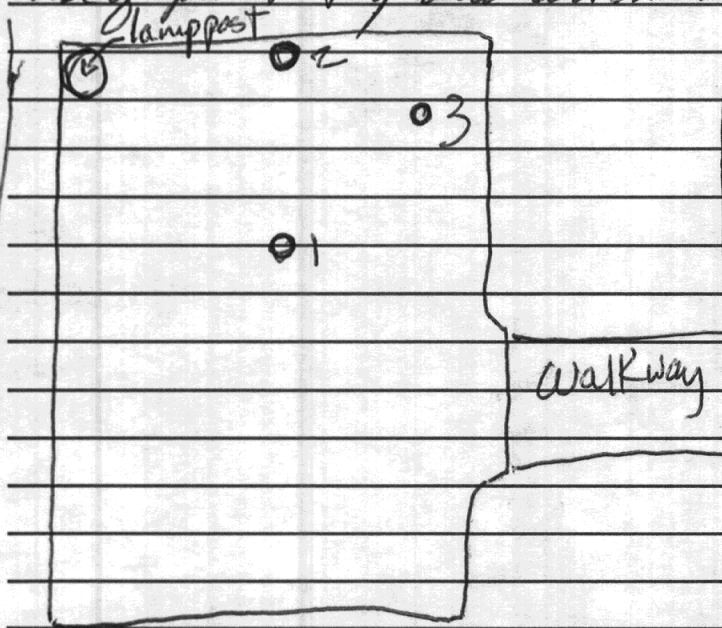
- ____ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- ____ II. Hazardous Materials Business Plan, Acutely Hazardous Materials
- ____ III. Under ground Storage Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

and overflowed. We directed water into street (storm drain). Water was not likely contaminated because leak was shallow + water went directly out to street w/out contacting contaminated soil. Part of tank pit was backfilled after water line was fixed, for safety reasons. In lieu of further excavation, hand auger will be placed at west end of pit to try and determine extent of contamination.

Santa Clara Ave



Hand augering will be 11/8/96 attempted by pushing a PVC pipe down to desired depth + hand augering through it. Sample #1 was collected from ~12' bgs. Groundwater was observed at ~13' bgs. Soil was sandy w/ staining. Hand augering from #2 location from 9-11' bgs was wet + sandy, but no staining or odor.

Contact Mark Dent
Title Environmental Specialist
Signature Mark Dent

Inspector Juliet Shin
Signature Juliet Shin

II, III

Pg 3 of 3

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Inspection Form

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

II, III

Site ID # _____ Site Name Residential Today's Date 11/8/96

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address 743 Santa Clara Ave

City Alameda Zip 94501 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

Monitoring for Existing Tanks

- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Gndwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/gndwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank teting
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

- 7. Precs Tank Test 2643
- Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Comments:
 Sample from #2 location collected from ~11-foot bgs. Samples will have special protocol applied at lab to account for wetness of samples. Samples will be analyzed for TPHd and BTEX. Sample from #3 location collected at ~10.5' bgs. Sandy & wet, but no odor or staining. Another sample collected from ~11' bgs. Sandy wet soil & no odor or staining. Soil below visgrom was hauled off site yesterday. Remaining chaven soil will be backfilled.

JS

Rev 6/88

II, III

Contact: Mark Duput

Title: Environmental Specialist Inspector: Juliet Shin

Signature: mae O'S Signature: Juliet Shin

HK2, Inc. /SEMCO

*1751 Leslie Street
San Mateo, CA 94402
(415) 572-8033
Fax: (415) 572-9734*

FAX TRANSMISSION COVER SHEET

Date: *November 4, 1996*
To: *Juliet Shin, Alameda County, (510) 567-6763*
Fax: *(510) 337-9335*
Re: *Over-Excavation at 743 Santa Clara Avenue, Alameda, CA 94501*
Sender: *Stanley L. Klemetson, Ph.D., P.E.*

**YOU SHOULD RECEIVE 3 PAGE(S), INCLUDING THIS COVER SHEET. IF YOU
DO NOT RECEIVE ALL PAGES, PLEASE CALL (415) 572-8033**

HK₂, INC./SEMCO

GENERAL ENGINEERING & ENVIRONMENTAL CONTRACTORS • LICENSE NO. 719103 (A, B, C57, C61-D40, HAZ, ASB)
1751 LESLIE STREET • SAN MATEO, CA 94402 • (415) 572-8033 • (415) 572-9734 FAX

November 4, 1996

REF: 96-0234.309

Juliet Shin
Alameda County
Dept. of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
(510) 567-6763
(510) 337-9335 Fax

RE: Work Plan for Over-Excavation of Home Heating Oil Tank Site at 743 Santa Clara Avenue, Alameda, CA 94501.

Dear Ms. Shin:

HK₂, Inc. /SEMCO (HK₂) is pleased to submit a short work plan to complete the site remediation work you requested in your September 23, 1996 letter to William Sheehan.

Sample #1-1500-D@9' West contained 4400 mg/Kg of TPH-D and sample #2-1500-D@9' East contained 18 mg/Kg of TPH-D. The previously excavated soil contained 24 mg/Kg of TPH-D.

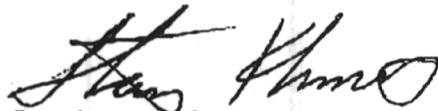
The proposed work will be to re-excavate the soil that was placed in the excavation and over-excavate the tank site on the westerly side to the extent possible. Two soil samples will be collected from the sidewall and/or bottom after the completion and analyzed for TPH-D and BTEX. The cleanup goals for the site are < 1,000 mg/Kg TPH-D and no BTEX. Additionally, if groundwater is encountered a grab water sample will be collected and analyzed.

Juliet Shin
File: 96-0234.309
Page 2

The previously analyzed soil will be placed back in the excavation unless there is obvious staining. Any stained soil and the over-excavated soil will be transported to Bay Area Soils for treatment and disposal. Imported backfill material will be utilized to bring the excavation to grade.

The site work is scheduled for Thursday, November 7, 1996. The Unauthorized Release report was previously sent to you. Please let us know if you have any further questions.

Yours truly,



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



ALAMEDA COUNTY
HEALTH CARE SERVICES



AGENCY

DAVID J. KEARS, Agency Director

November 4, 1996

William & Ed Sheehan
1236 Bay Street
Alameda, CA 94501

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

STID 5845

Re: Overexcavation and sampling at 743 Santa Clara Avenue, Alameda, CA

Dear William & Ed Sheehan,

This office has reviewed HK2, Inc./SEMCO's workplan, dated November 4, 1996, for overexcavation of the western end of the former tank pit at the above site. The overexcavation will be conducted to determine whether the extent of soil contamination is limited, and, if groundwater is encountered, to determine whether there has been any impact to groundwater. Per the workplan, subsequent to the overexcavation, the soil that was backfilled into the pit on September 17, 1996 may be reused in the pit, except for soil that is obviously stained or contaminated. This obviously contaminated soil, along with the newly overexcavated soil, will be hauled off site to a certified disposal facility.

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Stanley L. Klemetson
HK2, Inc./SEMCO
1751 Leslie Street
San Mateo, CA 94402

Acting Chief

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.	
REPORT DATE 09/24/96		CASE # #96-0239		SIGNED: <i>Juliet Shin</i> DATE: 9/30/96	
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT Mark Dyser		PHONE (415) 572-8033	SIGNATURE <i>Mark Dyser</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OTHER <u>CONTRACTOR</u>		COMPANY OR AGENCY NAME SEMCO / HK2, Inc.		
	ADDRESS 1751 Leslie St. STREET San Mateo CITY CA STATE 94402 ZIP				
RESPONSIBLE PARTY	NAME William Sheehan <input type="checkbox"/> UNKNOWN		CONTACT PERSON SAME		PHONE (510) 522-0978
	ADDRESS 1236 Bay St. STREET Alameda CITY CA STATE 94501 ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) Residence		OPERATOR N/A	PHONE () N/A	
	ADDRESS 743 Santa Clara Ave STREET Alameda CITY Alameda COUNTY ZIP				
	CROSS STREET Page St.				
IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda County Dept. of Environmental Health		AGENCY NAME Alameda County Dept. of Environmental Health		CONTACT PERSON Juliet Shin
	REGIONAL BOARD Regional Water Quality Board		CONTACT PERSON Diane Minus		PHONE (510) 1286-1255
SUBSTANCES INVOLVED	(1) NAME Home Heating Oil			QUANTITY LOST (GALLONS) <input type="checkbox"/> UNKNOWN	
	(2)			<input type="checkbox"/> UNKNOWN	
DISCOVERY/ABATEMENT	DATE DISCOVERED 09/16/96		HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER		
	DATE DISCHARGE BEGAN UNKNOWN		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input checked="" type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER		
	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input type="checkbox"/> VENT SOIL (VS) <input checked="" type="checkbox"/> OTHER (OT) <u>NO ACTION TAKEN</u>				
COMMENTS	COMMENTS				

96 SEP 25 PM 2:57
 ENVIRONMENTAL PROTECTION

STATE OF CALIFORNIA - CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER

SAN FRANCISCO BAY REGION

2101 WEBSTER STREET, SUITE 500
OAKLAND, CA 94612

Post-It™ brand fax transmittal memo 7671		# of pages	5
To	Juliet Shin	From	Sum Arigala
Co.	ADEH	Co.	RWQCB
Dept.	Env.	Phone #	510 286 2434
Fax #	337 9335	Fax #	286 1350



June 21, 1994

To: San Francisco Bay Area Agencies Overseeing UST Cleanup
(see distribution list)

Subject: Residential or Farm Heating Oil Tanks

Background

The purpose of this letter is to provide you with the Regional Board's views on home and farm heating oil tanks and their impacts on water quality within this region. In the Bay Area, most heating oil tanks are residential, normally buried several feet below the ground surface, and range in capacity from 150 to 1500 gallons. These tanks have generally been out of service for more than 40 years, dating from the time when piped-in natural gas became widely available. Some people in the tank removal business say that there are tens of thousands of such tanks within the Bay Area.

It has been our experience that any leakage from such long abandoned residential (or farm) heating oil tanks and their appurtenant structures have generally had little or no impact on water quality. This appears to be due to the fact that heating oil has a lower migration potential than organic solvents or other fuels, the amount leaked is typically small, and the passage of time has allowed natural attenuation to take place.

Recommendations

No soil or ground water investigation should be required when closing such a tank unless there is some independent information that a water quality problem exists.

In general we believe these tanks may be closed in place. At a minimum, the contents of the tank need to be removed, and the tank filled with an inert material so as to render it unfillable and to assure soil and/or foundation structural integrity.

Although heating oil tanks of less than 1100 gallon capacity are specifically exempted from regulation by Title 23, Chapter 16 of the California Code of Regulations, guidance towards evaluating closure of these smaller buried tanks in place can be found within relevant sections of that regulation.

In cases where tank removal is elected or required, we recommend that over-excavation of contaminated soil be limited to soil which is visibly contaminated to the extent that manmade structures and/or personal safety are not compromised.

Subject: Residential or Farm Heating Oil Tanks
Page 2

June 21, 1994

For those agencies who are not comfortable with "visible" criteria and who require a cleanup number, we believe a TPH-diesel range limit of approximately 1000 mg/kg with BTEX and PNA at non-detectable levels is reasonable. This TPH-diesel range concentration is based upon published research for cancer risk levels of 1×10^{-5} for adults and children via inhalation, dermal, and ingestion routes of exposure for diesel fuel No. 2. We believe this number is quite conservative as any residual fuels remaining in long abandoned heating oil tanks will probably be an even heavier and less mobile end fuel product.

In some instances, which we believe should be rare, more stringent requirements may be appropriate because of your adopted policies or ordinances, or because of an especially sensitive water resource.

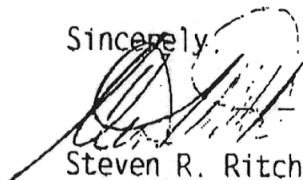
Ground Water Impacted Cases

The exception to these views is when there has been a release which is causing a known water quality problem (e.g., impacting a drinking water well, seeping to a surface water, etc.) or nuisance condition (e.g. odor, fire hazard, seeps, etc.). For those cases in which ground water has been impacted, the Regional Board should be properly notified. A judgement will have to be made as to whether additional work is required depending on the degree of ground water contamination. For example, if contamination is found to already be below or at levels expected to be reached after utilizing typical remedial technology no further work should be requested and the case should be closed. Agencies involved in the Local Oversight Program (LOP), or those Local Implementing Agencies (LIA) which have an agreement with the Regional Board to provide oversight of the cleanup of Underground Storage Tanks, should provide appropriate oversight of cleanup.

For additional information as to the Board's rationale for preparing this guidance letter, please see the attachment. In making these recommendations, we acknowledge that certain water resources are especially sensitive, and local agencies may wish to apply more rigorous standards.

If you have any questions on this letter, please call Steve Morse of my staff at (510) 286-0304.

Sincerely,



Steven R. Ritchie
Executive Officer

ATTACHMENT

cc: Distribution list (w/ attachment)
Walt Petit, SWRCB (w/ attachment)

Attachment

Page 1

**Rationale Supporting San Francisco Bay Regional Water Quality Control Board's
Views on Closing Sites with Underground Heating Oil Tanks
June 15, 1994**

Purpose: This rationale was developed to provide support for the Regional Board's views on closure actions at sites with underground heating oil tanks.

Risk Assessment

GIVEN:

- Heating oil has a high viscosity, relatively low migration potential, and is relatively less soluble in water than organic solvents, gasolines, or even lighter diesel fuels. Heating oils used were mainly No. 2 (primarily residential) and the heavier No. 6 (primarily commercial and industrial, and some apartment buildings, mostly in San Francisco).
- Most home heating oil tanks have typically not been used for over 40 years, when natural gas gained widespread use throughout the region.
- Any amount leaked since use was discontinued would be limited to whatever such tanks contained at the time their use was discontinued.
- Leakage, if any, would usually be at least 3 to 5 feet below ground surface and probably limited to 3 to 5 feet from the tank.
- The long period since tank use was discontinued would allow for most serious impacts of any leak to be detected, for the lighter ends of the heating oil to volatilize, and for natural degradation processes to take place.
- BTEXs and PNAs are usually not found at significant levels at heating oil sites.
- Very high costs for investigation of leaks often lead to a remediation of what is most likely a "potential" problem at considerable cost to the affected parties to include the State Water Board's SB2004 UST Cleanup Fund.
- Impacts, if any, for heating oil tanks that have leaked, are generally localized and relatively small, especially compared to other fuels and solvents.
- In the SWRCB/RWQCB's LUSTIS database for the Bay Area, very few (less than 100) of the 6000+ leaking tanks have been identified as being caused by leaking heating oil tanks. Of these, only a few have been identified as affecting water quality.
- Home heating oil tank owners are eligible for state cleanup funds regardless of tank size.

Attachment

**Rationale Supporting San Francisco Bay Regional Water Quality Board's Views
for Closing Sites with Underground Heating Oil Tanks (cont.)**

Page 2

June 15, 1994

Risk Management**CLEANUP:**

Based upon the above and for the situation where the heating oil tank *has not* been:

- in use for many years
 - in contact with ground water
- and
- available, independent evidence does not indicate water quality problems due to tank leaking,

the Regional Board views the cleanup and closing of home and farm heating oil sites to require no more than source removal (e.g., as a minimum the tank's contents). In the case of a leak, and if the tank and polluted soil must be removed, then removal of the source and polluted soil only "to the extent feasible", should be adequate. "Extent feasible" should be considered as:

- Soil over-excavation generally limited to that which is visibly contaminated. If a soil contamination cleanup level is needed, 1,000mg/kg TPH-diesel range is reasonable where contaminated soil is at least several feet below the surface and not in direct contact with ground water. This is based on an incremental carcinogenic risk level for inhalation, dermal, and ingestion for diesel #2 of 1×10^{-5} derived from published data [Millner, et. al., *Human Health-Based Soil Cleanup Guidelines for Diesel Fuel No. 2*, Journal of Soil Contamination, 1(2): 103-157(1992).]
- Excavation is conducted within safe limits of nearby structures or utilities.
- Excavation that extends to the limits of the appropriate excavating equipment's "reach".

Removal of heating oil tanks is not necessary from the Regional Board's view as long as the tank contents have been removed, the tank is filled with inert materials, and it's made unfillable. Although exempt from CCR Title 23, Chapter 16, guidance of the suitability of leaving tanks in place can be found within relevant sections of those Regulations.

From the above, heating oil tanks should be a relatively low priority (or even a non-priority) in the underground tank cleanup program when considering the low magnitude of potential problem, resources needed to cleanup the problem, and regulatory resources and priorities.

EXCEPTIONS

Sites with independent evidence that the home or farm heating oil tank poses a water quality problem and/or nuisance, e.g. pollution of drinking water wells or useable groundwater, direct contact of the leaking tank or significantly contaminated soils to useable ground water, seeps to nearby surface waters.

*Attachment**Page 3**Rationale Supporting San Francisco Bay Regional Water Quality Board's Views
for Closing Sites with Underground Heating Oil Tanks (cont.) June 15, 1994***SENSITIVITY ANALYSIS.... WHAT IF?**

In considering this kind of broad views on heating tank closures and cleanups, the Board is aware that some uncertainty is involved, as is the case for most of its decisions. This issue involves risk management in which the Board is asked to decide issues on information that can never be complete.

For heating oil tanks, the risk exists that accepting the above views to streamline the case closure process may lead to premature closure for some cases. This would presumably allow the continuation of some long-standing pollution of shallow ground water in the immediate area of the leaking heating oil tank which was previously unknown and would remain unknown without complete investigation. This condition, when found, could be remedied at some later date when the problem is discovered, or it may disappear in time due to natural degradation. In any case, given the record and experience to date, the consequences of an occasional mistaken closure are not likely to be either serious or irreparable to the community or water quality.

SUPPLEMENTARY LOCAL AGENCY ACTIONS

In some rare instances, more stringent requirements may be appropriate because of locally adopted policies or ordinances. This is always the local agency's option, and provided it can establish the requirement to protect an especially sensitive water resource, it may also be able to gain the Regional Board's support.

RELATIONSHIP TO OTHER UST CLOSURES, CLEANUPS

These views relate only to heating oil tanks as described above and do not cover other situations. Specifically, these views do not cover diesel fuel tanks (which are usually lighter, more volatile fuels, eg. diesel #2) or situations not covered above.

d:\temp2\home3.htg

Transfer of Eligible Local Oversight Case

STID 5845 Date of input/By: NA 9/24/96

Date: 9/23/96 From: Juliet Shin

Site Name: ~~Werner~~ Werner Residence

Address: 743 Santa Clara Ave City: Alameda Zip: 94501

To be eligible for LOP, case must meet 3 qualifications:

1. Y N Tanks Removed? # of removed? 1 Date removed: 9/17/96
2. Y N Samples received? Contamination level: 4,400 ppm TPHd
 Type of test 8015 m
 Contamination should be over 100 ppm TPH to qualify for LOP
3. Y N Petroleum? Circle Type(s): • Avgas • leaded • unleaded • fuel oil • jet
 • diesel • waste oil • kerosene • solvents

Procedure to follow should your site meet all the above qualifications:

1.
 - a. Close the deposit refund case.
 - b. Account for **ALL** time you have spent on the case.
 - c. Turn in account sheet to Leslie.
 If there are funds still remaining it is still better to transfer the case to LOP as the rate for LOP allows more overhead. **DO NOT** attempt to continue to oversee the site simply because there are funds remaining!
 Remaining DepRef \$'s: \$100
 DepRef Case Closed with Candyce/Leslie? Y N (If no, explain why below.)
2. Submit the completed **A** and **B** permit application forms to **NORMA**.
3. Give the entire case to the proper LOP staff.

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

September 23, 1996

Mr. William Sheehan
1236 Bay Street
Alameda, CA 94501

STID 5845

Re: Investigations at 743 Santa Clara Avenue, Alameda, CA 94501

Dear Mr. Sheehan,

One 1,500-gallon heating oil tank was recently removed from the above site. Analysis results of the soil samples collected from the tank excavation identified up to 4,400 parts per million (ppm) Total Petroleum Hydrocarbons as diesel (TPHd) and low levels of benzene, toluene, ethylbenzene, and total xylenes (BTEX). The highest concentrations of TPHd and BTEX were identified on the west side of the tank pit at 9-feet below ground surface (bgs).

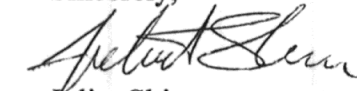
Based on these analysis results and the attached Regional Water Quality Control Board (RWQCB) guidance memo on residential heating oil tanks, this office is requesting that you excavate the materials that were previously backfilled into the tank pit on the day of the tank removal, and that you attempt to remove/overexcavate the contaminated soil on the west side, to the extent feasible, where the highest contaminant concentrations were identified. Subsequent to overexcavation of the west side, two confirmation soil samples should be collected and analyzed for TPHd and BTEX. As stated in the attached RWQCB memo, the objective is to remove the source (soil contamination) down to ~1,000ppm TPHd and no BTEX. Additionally, if groundwater is observed in the tank during overexcavation activities, one "grab" groundwater sample should be collected and analyzed for TPHd and BTEX.

Lastly, this office is requesting that you complete the attached Unauthorized Release/Leak Report Form and submit it to this office prior to conducting the additional work. This is a standard State form that is required to be completed when petroleum contamination has been identified at a site.

Mr. William Sheehan
Re: 743 Santa Clara Ave.
September 23, 1996
Page 2 of 2

If you have any questions or comments, please contact me at (510) 567-6763.

Sincerely,



Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Mark Dysert
HK2, Inc./SEMCO
1751 Leslie St.
San Mateo, CA 94402

Acting Chief

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

William & Ed Sheehan
1236 Bay Street
Alameda, CA 94501

4a. Article Number

P143 589 317

4b. Service Type

- Registered Insured
- Certified COD
- Express Mail Return Receipt for Merchandise

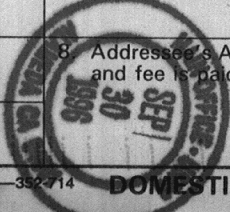
7. Date of Delivery

5. Signature (Addressee)

William Sheehan

8. Addressee's Address (Only if requested and fee is paid)

6. Signature (Agent)



Thank you for using Return Receipt Service.

19/10/2

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
Suite 250
Alameda, CA 94502-6577
(510) 567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 5845 Site Name Residential Today's Date 9/17/96

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address 743 Santa Clara

City Alameda Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMP/PP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

III. UNDERGROUND TANKS (Title 23)

- General
- 1. Permit Application 25284 (H&S)
 - 2. Pipeline Leak Detection 25292 (H&S)
 - 3. Records Maintenance 2712
 - 4. Release Report 2651
 - 5. Closure Plans 2670

- Monitoring for Existing Tanks
- 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
 - Semi-annual groundwater
 - One time soils
 - 3) Daily Vadose
 - One time soils
 - Annual tank test
 - 4) Monthly Gndwater
 - One time soils
 - 5) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - Vadose/gndwater mon.
 - 6) Daily Inventory
 - Annual tank testing
 - Cont pipe leak det
 - 7) Weekly Tank Gauge
 - Annual tank tsg
 - 8) Annual Tank Testing
 - Daily Inventory
 - 9) Other _____

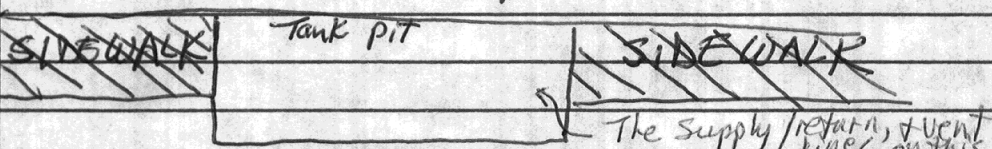
- 7. Precs Tank Test 2643
- Date: _____
- 8. Inventory Rec. 2644
- 9. Soil Testing . 2646
- 10. Ground Water. 2647

- New Tanks
- 11. Monitor Plan 2632
 - 12. Access. Secure 2634
 - 13. Plans Submit 2711
 - Date: _____
 - 14. As Built 2635
 - Date: _____

Rev 6/88

Comments: slurry & sand
Arrived at site at ~11:00AM. According to contractors on site, 90% of UST was filled w/ concrete & there was only ~65 gallons of diesel/water in tank! Odor noted from UST and the inside walls of UST still showed sludgy residual diesel.

Santa Clara Ave.



Corrosion and pitting noted on tank. It appears that this tank was installed in 1929. Holes noted in tank. Tank served apartment complex. Two holes, pen size and ~1/4", noted on south end of tank. Contents of tank was sampled & placed in separate truck. One pen size hole was noted on bottom of north end of tank. Soil sample collected from beneath north

Manifest # 95269994

Contact: Mark Dysert
Title: _____
Signature: [Signature]

Inspector: Juliet Shier
Signature: [Signature]

II, III

Handwritten notes in a box:
 white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

1131 Harbor Bay Pkwy.
 Suite 250
 Alameda, CA 94502-6577
 (510) 567-6700

Hazardous Materials Inspection Form

II, III

Site ID # 5845 Site Name Residential Today's Date 9/17/96

II.A BUSINESS PLANS (Title 19)

- 1. Immediate Reporting 2703
- 2. Bus. Plan Stds. 25503(b)
- 3. RR Cars > 30 days 25503.7
- 4. Inventory Information 25504(a)
- 5. Inventory Complete 2730
- 6. Emergency Response 25504(b)
- 7. Training 25504(c)
- 8. Deficiency 25505(a)
- 9. Modification 25505(b)

Site Address 743 Santa Clara
 City Alameda Zip 94 Phone _____

MAX AMT stored > 500 lbs, 55 gal., 200 cft.?

Inspection Categories:

- I. Haz. Mat/Waste GENERATOR/TRANSPORTER
- II. Business Plans, Acute Hazardous Materials
- III. Underground Tanks

* Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

Comments:

end of tank was collected at ~9' bgs. Soil was sandy, stained, w/ strong odor. Soil sample collected from below south end at 9' bgs was dark, but no staining or odor. (looked rich in organics) One 4-point composite sample collected from stratified soil. Tank pit will be lined w/ virgin res backfilled, + a layer of virgin will be placed on top. (Backfill material is the excavated material). The contents of tank will be left in truck at site until they obtain results. JS

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25534(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(f)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

- | | |
|-------------------------------|---|
| General | <input type="checkbox"/> 1. Permit Application 25284 (H&S) |
| | <input type="checkbox"/> 2. Pipeline Leak Detection 25292 (H&S) |
| | <input type="checkbox"/> 3. Records Maintenance 2712 |
| | <input type="checkbox"/> 4. Release Report 2651 |
| | <input type="checkbox"/> 5. Closure Plans 2670 |
| Monitoring for Existing Tanks | <input type="checkbox"/> 6. Method |
| | 1) Monthly Test |
| | 2) Daily Vadose
Semi-annual groundwater
One time soils |
| | 3) Daily Vadose
One time soils
Annual tank test |
| | 4) Monthly Gndwater
One time soils |
| | 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon. |
| | 6) Daily Inventory
Annual tank testing
Cont pipe leak det |
| | 7) Weekly Tank Gauge
Annual tank testing |
| | 8) Annual Tank Testing
Daily Inventory |
| | 9) Other _____ |
| New Tanks | <input type="checkbox"/> 7. Precs Tank Test 2643
Date: _____ |
| | <input type="checkbox"/> 8. Inventory Rec. 2644 |
| | <input type="checkbox"/> 9. Soil Testing 2646 |
| | <input type="checkbox"/> 10. Ground Water. 2647 |
| | <input type="checkbox"/> 11. Monitor Plan 2632 |
| | <input type="checkbox"/> 12. Access. Secure 2634 |
| | <input type="checkbox"/> 13. Plans Submit 2711
Date: _____ |
| | <input type="checkbox"/> 14. As Built 2635
Date: _____ |

Contact: Mark Dysert
 Title: _____
 Signature: mm

Inspector: Juliet Shin
 Signature: Juliet Shin

II, III

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 DEPARTMENT OF ENVIRONMENTAL HEALTH
 ENVIRONMENTAL PROTECTION DIVISION
 1131 HARBOR BAY PARKWAY, RM 250
 ALAMEDA, CA 94502-6577
 PHONE # 510/567-6700
 FAX # 510/337-9335

7/23/96

Juliet Shin

Project Specialist

Please comply w/ additional comments in red ink. Please notify this office at least one week in advance of tank removal.

ACCEPTED

Underground Storage Tank Closure Permit Application
 Alameda County Division of Hazardous Materials
 1131 Harbor Bay Parkway, Suite 250
 Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/abatement.
 One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.
 Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

- _____ Removal of Tank(s) and Piping
- _____ Sampling
- _____ Final Inspection

Issuance of a) permit to operate, b) permanent site closure, is dependent on compliance with accepted plans and all applicable laws and regulations.

***THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS:**

Contact Specialist:

96 JUL 19 * PM 3:26

ENVIRONMENTAL PROTECTION

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * *

1. Name of Business Residential
 Business Owner or Contact Person (PRINT) William Sheehan

2. Site Address 743 Santa Clara Avenue
 City Alameda Zip 94501 Phone _____

3. Mailing Address 1236 Bay Street
 City Alameda Zip 94501 Phone 510-522-0978

4. Property Owner William Sheehan
 Business Name (if applicable) _____
 Address 1236 Bay Street
 City, State Alameda Zip 94501

5. Generator name under which tank will be manifested
William Sheehan

EPA ID# under which tank will be manifested CA 001061440

6. Contractor AK2, Inc / SEMCO
Address 1751 Leslie Street
City San Mateo, CA 94402 Phone 415-572-8033
License Type* A, B, C-1d/140, C-57 HAZ ID# 719103

*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board.

7. Consultant (if applicable) N/A

Address _____

City, State _____ Phone _____

8. Main Contact Person for Investigation (if applicable)

Name Chuck Kiper Title President

Company AK2, Inc / SEMCO

Phone 415-572-8033

9. Number of underground tanks being closed with this plan 1

Length of piping being removed under this plan unknown

Total number of underground tanks at this facility (**confirmed with owner or operator) 1

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter

Name Evergreen Environmental EPA I.D. No. CAD 980695761

Hauler License No. 0242 License Exp. Date 7/97

Address 6880 Smith Avenue

City Newark State CA Zip 94560

b) Product/Residual Sludge/Rinsate Disposal Site

Name Evergreen Environmental EPA ID# CAD 980695761

Address 6880 Smith Avenue

City Newark State CA Zip 94560

c) Tank and Piping Transporter

Name Dexanna, LTD EPA I.D. No. CAD 982438566
Hauler License No. 2883 License Exp. Date 4/30/97
Address 3104 Athens Ct.
City Concord State CA Zip 94519

d) Tank and Piping Disposal Site

Name Erickson, Inc. EPA I.D. No. CAD009466392
Address 255 Park Blvd.
City Richmond State CA Zip 94801

11. Sample Collector

Name Chuck Kuper
Company HK2, INC ISEMCO
Address 1751 Leslie St.
City San Mateo State CA Zip 94402 Phone 415-572-8033

12. Laboratory

Name No. State Environmental
Address 90. S. Spruce
City So. San Francisco State CA Zip 94080
State Certification No. 1753

13. Have tanks or pipes leaked in the past? Yes [] No [] Unknown [x]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

High pressure, hot water detergent wash
20 lbs per 1000 gallons dry ice

Before tanks are pumped out and inerted, all associated piping must be flushed out into the tanks. All accessible associated piping must then be removed. Inaccessible piping must be permanently plugged.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the contractor's responsibility to bring a working combustible gas indicator on-site to verify that the tank is inert.

15. Tank History and Sampling Information *** (see instructions) ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1,500	Heating Oil (Tank only partially filled w/ concrete w/ diesel still in part of tank) 9/17/96	Soil One soil sample from beneath each end of tank (minimum) Water (if applicable)	2 feet below tanks into native soil or @ Soil/water interface

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil

<p>Stockpiled Soil Volume (estimated)</p> <p><i>Est - 5-10 yds</i> <i>If soil is to be reused on site, one discrete sample per every 20 cubic yards is required. If soil is to be disposed of off site, one composite sample per every 50 cubic yards is required.</i></p>	<p align="center">Sampling Plan</p> <p>Soil Samples Taken from tank excavation will be collected, placed in brass tubes, sealed with Teflon Tape, caps and placed on ice, transported to a State Certified lab under chain of custody and analyzed for the constituents of the tank.</p>
--	---

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [] yes [] no [] unknown

If yes, explain reasoning _____

If unknown at this point in time, please be aware that excavated soil may not be returned to the excavation without prior approval from Alameda County. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling operations.

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit

Fuel/Heating Oil	TPH D BTX&E TPH AND BTX&E 8260	GCFID(3550) 8020 or 8240 8260	TPH D BTX&E GCFID(3510) 602, 624 or 8260						
	BTEX TPHd	<p align="center"><i>Detection Limits</i></p> <table border="0"> <tr> <td><i>H₂O</i></td> <td><i>Sand</i></td> </tr> <tr> <td><i>0.5ppb</i></td> <td><i>0.005 to 0.5ppm</i></td> </tr> <tr> <td><i>50ppb</i></td> <td><i>1ppm</i></td> </tr> </table>	<i>H₂O</i>	<i>Sand</i>	<i>0.5ppb</i>	<i>0.005 to 0.5ppm</i>	<i>50ppb</i>	<i>1ppm</i>	
<i>H₂O</i>	<i>Sand</i>								
<i>0.5ppb</i>	<i>0.005 to 0.5ppm</i>								
<i>50ppb</i>	<i>1ppm</i>								

18. Submit Worker's Compensation Certificate copy

Name of Insurer California Comp

19. Submit Plot Plan ***** (See Instructions) *****

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery.

The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business HKA, INC. / SEMCO.

Name of Individual Rhonda Reames-Kiper

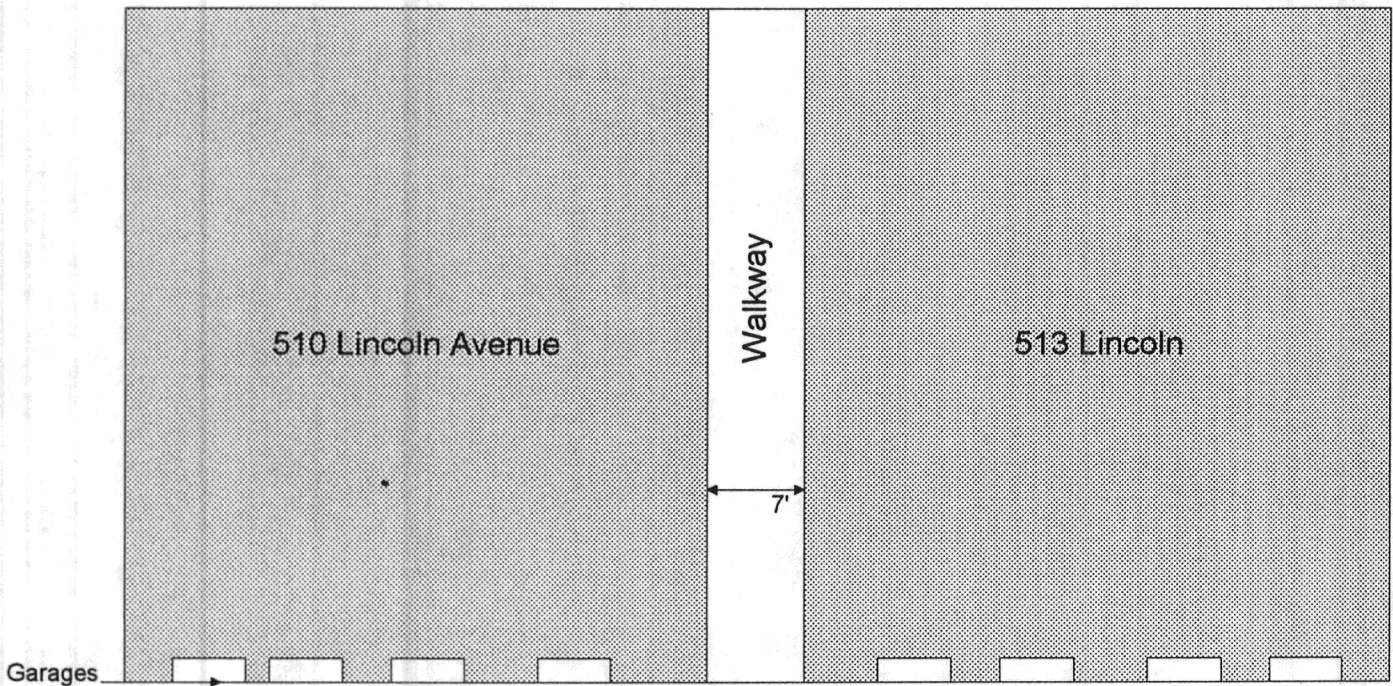
Signature Rhonda Reames-Kiper Date 7/18/96

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

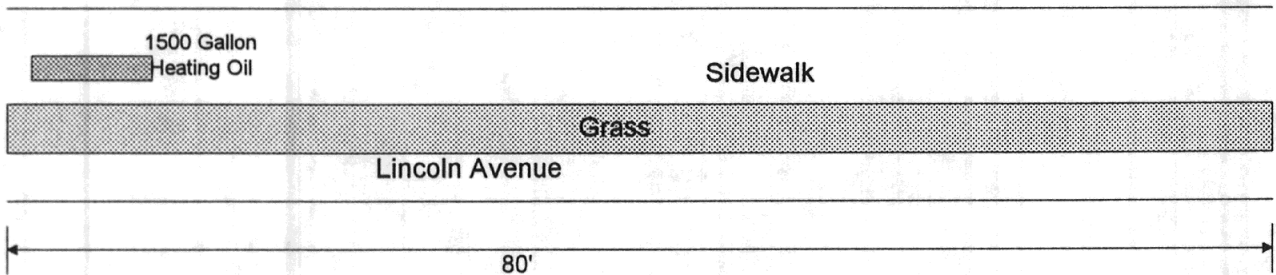
Name of Business _____

Name of Individual William Sheehan

Signature William Sheehan Date 7/18/96
By Rhonda Reames-Kiper



Driveway



N ↙

Not To Scale

HK2, INC./ SEMCO
 1751 Leslie Street
 San Mateo, California
 94402

William Sheehan
 510 Lincoln Avenue
 Alameda, California

Removed just 9/96
JMS



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

#5845

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM	<input type="checkbox"/> 1 NEW PERMIT	<input type="checkbox"/> 3 RENEWAL PERMIT	<input type="checkbox"/> 5 CHANGE OF INFORMATION	<input checked="" type="checkbox"/> 7 PERMANENTLY CLOSED SITE
	<input type="checkbox"/> 2 INTERIM PERMIT	<input type="checkbox"/> 4 AMENDED PERMIT	<input type="checkbox"/> 6 TEMPORARY SITE CLOSURE	

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

DBA OR FACILITY NAME <i>Residential</i>		NAME OF OPERATOR		
ADDRESS <i>743 Santa Clara</i>		NEAREST CROSS STREET <i>Delister</i>	PARCEL # (OPTIONAL)	
CITY NAME <i>Alameda</i>		STATE CA	ZIP CODE <i>94501</i>	SITE PHONE # WITH AREA CODE
<input checked="" type="checkbox"/> BOX TO INDICATE	<input type="checkbox"/> CORPORATION	<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> LOCAL-AGENCY DISTRICTS
<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> STATE-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY		
TYPE OF BUSINESS	<input type="checkbox"/> 1 GAS STATION	<input type="checkbox"/> 2 DISTRIBUTOR	<input type="checkbox"/> 3 FARM	<input type="checkbox"/> 4 PROCESSOR
	<input checked="" type="checkbox"/> 5 OTHER	<input type="checkbox"/> IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE <i>1</i>	E. P. A. I. D. # (optional) <i>CAC0010d440</i>

EMERGENCY CONTACT PERSON (PRIMARY)

EMERGENCY CONTACT PERSON (SECONDARY) - optional

DAYS: NAME (LAST, FIRST) <i>Sheehan, William</i>	PHONE # WITH AREA CODE <i>510-522-0978</i>	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
NIGHTS: NAME (LAST, FIRST) <i>Same</i>	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME <i>William Sheehan</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>1236 Bay Street</i>		<input checked="" type="checkbox"/> box to indicate	<input checked="" type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL-AGENCY
CITY NAME <i>Alameda</i>		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
	STATE CA	ZIP CODE <i>94501</i>	PHONE # WITH AREA CODE <i>510-522-0978</i>	

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER <i>William Sheehan</i>		CARE OF ADDRESS INFORMATION		
MAILING OR STREET ADDRESS <i>1236 Bay Street</i>		<input checked="" type="checkbox"/> box to indicate	<input checked="" type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> LOCAL-AGENCY
CITY NAME <i>Alameda</i>		<input type="checkbox"/> CORPORATION	<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> STATE-AGENCY
		<input type="checkbox"/> COUNTY-AGENCY	<input type="checkbox"/> FEDERAL-AGENCY	
	STATE CA	ZIP CODE <i>94501</i>	PHONE # WITH AREA CODE <i>510-522-0978</i>	

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) <i>Ronald James Lopez / SEMCO</i>	APPLICANT'S TITLE <i>Operations Manager</i>	DATE <i>7/18/96</i>	MONTH/DAY/YEAR
---	--	------------------------	----------------

LOCAL AGENCY USE ONLY

COUNTY # [] []	JURISDICTION # [] [] []	FACILITY # [] [] [] [] [] []	<i>(no)</i> <i>9-18-96</i>
LOCATION CODE - OPTIONAL	CENSUS TRACT # - OPTIONAL	SUPERVISOR - 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.

Not previously registered w/ state or ALCO
NO state #

Removed 9/96 gms



STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY 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: Station 743 Santa Clara, Alameda

I. TANK DESCRIPTION COMPLETE ALL ITEMS - SPECIFY IF UNKNOWN
A. OWNER'S TANK I. D. # unknown B. MANUFACTURED BY: unknown
C. DATE INSTALLED (MO/DAY/YEAR) unknown D. TANK CAPACITY IN GALLONS: 1500

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 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 Heating Oil 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 unknown

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 _____ GALLONS 3. WAS TANK FILLED WITH INERT MATERIAL? 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) Shonda James-Lopez DATE 7/18/96

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 _____

ACORD. CERTIFICATE OF INSURANCE

PRODUCER

Insurance Center of Merced
2908 North G Street
P. O. Box 2268
Merced, CA 95344

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

COMPANIES AFFORDING COVERAGE

COMPANY
A California Comp

COMPANY
B

COMPANY
C

COMPANY
D

INSURED

HK2, Inc
Semco, Inc.
1741 Leslie Street
San Mateo, Ca 94402

COVERAGES

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT				GENERAL AGGREGATE \$ _____ PRODUCTS-COMP/OP AGG \$ _____ PERSONAL & ADV INJURY \$ _____ EACH OCCURRENCE \$ _____ FIRE DAMAGE (Any one fire) \$ _____ MED EXP (Any one person) \$ _____
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ _____ BODILY INJURY (Per person) \$ _____ BODILY INJURY (Per accident) \$ _____ PROPERTY DAMAGE \$ _____
	GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY-EA ACCIDENT \$ _____ OTHER THAN AUTO ONLY \$ _____ EACH ACCIDENT \$ _____ AGGREGATE \$ _____
	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$ _____ AGGREGATE \$ _____
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: <input checked="" type="checkbox"/> INCL <input type="checkbox"/> EXCL <input type="checkbox"/> OTHER	W964137662	04/05/96	04/05/97	<input checked="" type="checkbox"/> STATUTORY LIMITS EACH ACCIDENT \$1,000,000 DISEASE-POLICY LIMIT \$1,000,000 DISEASE-EACH EMPLOYEE \$1,000,000

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

TEN DAY NOTICE OF CANCELLATION FOR NON-PAYMENT OF PREMIUM.
All California Operations

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Wayne Migliore

ACORD CORPORATION 1993



Building Quality



HAZARDOUS SUBSTANCES REMOVAL AND REMEDIAL ACTIONS CERTIFICATION

Pursuant to the provisions of Section 7058.7 of the Business and Professions Code, the Registrar of Contractors does hereby certify that the following qualifying person has successfully completed the hazardous substances removal and remedial actions examination.



Qualifier: STANLEY LOUIS KLEMETSON

License No.: 719103

Business Name: HK2, INC., DBA SEMCO

WITNESS my hand and official seal this
21ST day of FEBRUARY 1996

David R. Phillips
Registrar of Contractors

131-36 (12/91)

This certification is the property of the Registrar of Contractors, is not transferable, and shall be returned to the Registrar upon demand when suspended, revoked, or invalidated for any reason.

A 6875



State of California
CONTRACTORS STATE LICENSE BOARD
ACTIVE LICENSE



License Number **719103** Entity **CORP**

Business Name **HK2 INC DBA SEMCO**

Classification(s) **A B C57 C61/D40 ASB HAZ**

Expiration Date **02/28/98**



State of California
Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

HK2 INC dba SEMCO



to engage in the business or act in the capacity of a contractor
in the following classification(s):

- A - GENERAL ENGINEERING CONTRACTOR
- B - GENERAL BUILDING CONTRACTOR
- C57 - WELL DRILLING (WATER)
- D40 - SERVICE STATION EQUIPMENT AND MAINTENANCE

Witness my hand and seal this day,

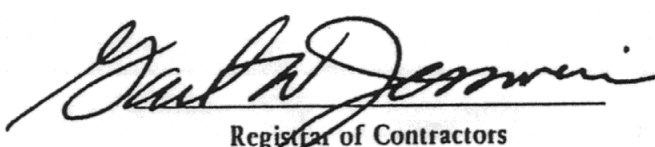
February 22, 1996

Issued February 21, 1996

Signature of Licensee

Signature of License Qualifier

This license is the property of the Registrar of Contractors, is not
transferrable, and shall be returned to the Registrar upon demand
when suspended, revoked, or invalidated for any reason. It becomes
void if not renewed.


Registrar of Contractors



719103

License Number

State of California
Contractors State License Board

Pursuant to Chapter 9 of Division 3 of the Business and Professions Code
and the Rules and Regulations of the Contractors State License Board,
the Registrar of Contractors does hereby issue this license to:

HK2 INC dba SEMCO



to engage in the business or act in the capacity of a contractor
in the following classification(s):

ASB - ASBESTOS
HAZ - HAZARDOUS SUBSTANCES REMOVAL



Witness my hand and seal this day,

February 22, 1996

Issued February 21, 1996

Paul W. Johnson
Registrar of Contractors

Signature of Licensee

Signature of License Qualifier

This license is the property of the Registrar of Contractors, is not
transferrable, and shall be returned to the Registrar upon demand
when suspended, revoked, or invalidated for any reason. It becomes
void if not renewed.

719103

License Number