Hwang, Don, Env. Health

From: Ailsa Le May [alemay@kodiak-consulting.com]
Sent: Wednesday, March 15, 2006 11:51 AM
To: Hwang, Don, Env. Health
Cc: Wannetta Hall
Subject: Scooter's Auto

Hi Don. I have scheduled the drilling at the site for March 28th and 29th, 2006. We will plan on advancing approximately 10 borings onsite and offsite to determine if contamination is traveling along utility lines offsite and also fully characterize the onsite residual. I have a drilling permit and street encroachment permit applications in process. I have also schedule full traffic control for the work. We have a scheduled start time onsite of approximately 8 am, but I will be there earlier to get traffic control set up and possibly subsurface utility locator as well.

We will also be sampling the wells at the site this month as required. I will notify you when this is happening. Please call or email with any questions. If there are any changes I will let you know.

Thanks,
Ailsa

Ailsa S. Le May, P.G., P.Geo.
Kodiak Consulting, LLC
660 4th Street, #288
San Francisco, CA 94107
Tel (415) 269-9515
Fax (415) 840-0713
alemay@kodiak-consulting.com
www.kodiak-consulting.com

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

7

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

August 23, 2005

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

Dear Ms. Hall:

Subject: Fuel Leak Case No. [redacted], Scooter Wilson's Auto Repair, 3600 MacArthur Blvd., Oakland, CA 94619

Alameda County Environmental Health (ACEH) staff has reviewed "Subsurface Investigation Workplan" dated December 24, 2004, prepared by Kodiak Consulting, LLC. Your work plan is approved. We request that you perform the proposed work, and send us the technical reports requested below.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

October 31, 2005 - Soil and Water Investigation Report
October 31, 2005 - 3rd Quarter 2005 Groundwater Monitoring Report
January 31, 2006 - 4th Quarter 2005 Groundwater Monitoring Report
April 30, 2006 - 1st Quarter 2006 Groundwater Monitoring Report
July 31, 2006 – 2nd Quarter 2006 Groundwater Monitoring Report

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) now request submission of reports in electronic form. The electronic copy is intended to replace the need for a paper copy and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources

Control Board (SWRCB) Geotracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from USTs have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the Geotracker database over the Internet. Beginning July 1, 2005, electronic submittal of a complete copy of all reports is required in Geotracker (in PDF format). Please visit the State Water Resources Control Board for more information on these requirements (http://www.swrcb.ca.gov/ust/cleanup/electronic_reporting).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang

Hazardous Materials Specialist
Local Oversight Program

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

c: Ailsa Le May, Kodiak Consulting, LLC, 470 – 3rd Street, San Francisco, CA 94107
Donna Drogos
File

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

10-9-03

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

October 8, 2003

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

Dear Ms. Hall:

Subject: Fuel Leak Case No. RO0000280, Scooter Wilson's Auto Repair, 3600 MacArthur Blvd., Oakland, CA 94619

Alameda County Environmental Health (ACEH) staff has reviewed the Leaking Underground Storage Tank Oversight Program file including "Risk Assessment Report" dated November 20, 2003 by Kodiak Consulting, LLC. We request that you address the following technical comments and send us the technical reports requested below.

TECHNICAL COMMENTS

1. Site Characterization - Up to 6,200 micrograms/liter (ug/l) Total Petroleum Hydrocarbons-Gasoline (TPH-G), 1,500 ug/l TPH-Diesel (TPH-D), and 420 ug/l benzene, have been detected in onsite monitoring wells. The lateral and vertical extent of your dissolved contaminant plume is undefined. Also, none of the groundwater monitoring wells were downgradient and within 10 feet of the tanks. Please propose sampling locations to define the plumes associated with your site in the Work Plan requested below. Include geologic cross-sections and show soil and groundwater analytical results, utility conduits, well screens, etc., and explain your rationale for the additional sampling locations. You may want to consider performing an investigation to quickly define the location of the contaminant plume downgradient from the release site prior to installing the permanent monitoring network. That will allow you to optimize the location and depth of the permanent wells, thereby reducing the cost of the monitoring work. Collection of groundwater samples using a one-time direct push water-sampling tool would be appropriate for this investigation.

2. Source Characterization – 5,000 mg/kg TPH-G and 330 mg/kg TPH-D were detected at sample location B at the tank excavation. There was no over excavation of the pit. Boring B2 located by the former dispenser island detected 930 mg/kg TPH-G and 390 mg/kg TPH-D. Thus, the source area has not been delineated. We request that you propose additional borings to delineate the lateral and vertical extent of soil contamination in the source area. Please propose boring locations in the Work Plan requested below.

3. Preferential Pathway Survey – An underground utility site survey was described and diagrams provided in a report dated August 29, 2000. The November 20, 2003 report stated. However, no proposals were made to determine if this was a problem. Due to the very shallow groundwater depths at the site, as high as 1.12 feet below top of well casing (TOC), We request that you perform a preferential pathway study that details the potential migration pathways and potential conduits (wells, utilities, pipelines, etc.) for horizontal and vertical migration that may be present in the vicinity of the site. Please submit map(s) and cross-sections showing the location and depth of all utility lines and trenches (including sewers, storm drains, pipelines, trench backfill, etc.) within and near the site and plume area(s). Evaluate the probability of the contaminant plumes encountering preferential pathways and conduits that could spread the contamination, particularly in the vertical direction to deeper water aquifers. Please incorporate into the Work Plan requested below.

4. Well Survey – The November 20, 2003 report indicated that a well survey within a quarter mile radius of the site was performed. However, there was no map showing the location of the wells or a tabulation of the well construction details for each well. Please incorporate into the Work Plan requested below.

5. Historical Hydraulic Gradients – Please show using a rose diagram with magnitude and direction; include cumulative groundwater gradients in all future reports submitted for this site.

6. Groundwater Analyses – We request that you include the other fuel oxygenates Tertiary Amyl Methyl Ether (TAME), Ethyl Tertiary Butyl Ether (ETBE), Di-Isopropyl Ether (DIPE), and Tertiary Butyl Alcohol (TBA), Ethanol by EPA Method 8260 and the lead scavengers, Ethylene Dibromide (EDB), Ethylene Dichloride (EDC) for analyses of grab and monitoring well groundwater samples, and for the lead scavengers, EDB and EDC, also perform analyses on soil samples. If any of the latter compounds are detected, and are determined to be of concern (poses a risk to human health, the environment, or water resources) it is to be incorporated into your regular monitoring plan.

7. Risk Assessment – Because more onsite sampling is desired, we wish to review "Risk Assessment Report" after sampling has been completed.

TECHNICAL REPORT REQUEST

Please submit the following technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

December 8, 2003 - Work Plan
60 days after Work Plan approval - Soil and Water Investigation Report

R0-280

KODIAK CONSULTING, LLC
470 THIRD STREET, SUITE 200, SAN FRANCISCO, CALIFORNIA 94107
TEL: (415) 777-1621 FAX: (415) 777-1629

FACSIMILE TRANSMITTAL SHEET

TO: Ms. Wanetta Hall	FROM: Ailsa Le May
CC: Ms. Eva Chu, ACHCS	DATE: 11/21/2002
RE: 3600 MacArthur Blvd, Oakland	YOUR REFERENCE NUMBER: 012-001

Dear Ms. Hall,

Enclosed is the risk assessment for the property located at 3600 MacArthur Boulevard in Oakland, California. I have sent a copy of this report to Eva Chu at Alameda County Health Care Services. Please let me know if you have any questions or comments.

Feel free to contact me at (415) 777-1621.

Sincerely,

Ailsa Le May
Principal Geologist

Ailsa S. Le May, R.G.
Kodiak Consulting, LLC
470 Third Street, Suite 200
San Francisco, CA 94107
Tel (415) 777-1621
Fax (415) 777-1629
alemay@kodiak-consulting.com

North State Environmental
Laboratory Services • Waste Management • Consulting

March 2, 2001

Ms. Eva Chu
Alameda County Health Care Services Agency (ACHCSA)
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: Risk Analysis - Scooter's Auto Repair, 3600 MacArthur Boulevard, Oakland, California **(StID 1289)**

Dear Ms. Chu:

On behalf of Ms. Wannetta Hall, North State Environmental (NSE) requests that the ACHCSA extend their deadline for submittal of their Report of Risk Analysis at the above referenced property. Due to various other project demands at this time, NSE requests that the deadline for submittal of the report be extended until **April 13, 2001**. Please notify us with your response at your earliest convenience.

Should you have any questions or require additional information, please contact me at (650) 266-4570). In my absence from the office, I am available by pager (650.317.0153) and cellular (650. 867.7274) services.

Sincerely,
North State Environmental

Brent A. Wheeler, E.I.T.
Consultant/Project Manager

enclosures

00-0022C.achcsa.rbca.ext

P.O. Box 5624, South San Francisco, California 94083 / Ph 650-266-4563 / Fax 650-266-4560

North State Environmental
Laboratory Services • Waste Management • Consulting

Extension granted 3/6/01 ll

March 2, 2001

Ms. Eva Chu
Alameda County Health Care Services Agency (ACHCSA)
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: Risk Analysis - Scooter's Auto Repair, 3600 MacArthur Boulevard, Oakland, California **(StID 1289)**

Dear Ms. Chu:

On behalf of Ms. Wannetta Hall, North State Environmental (NSE) requests that the ACHCSA extend their deadline for submittal of their Report of Risk Analysis at the above referenced property. Due to various other project demands at this time, NSE requests that the deadline for submittal of the report be extended until **April 13, 2001**. Please notify us with your response at your earliest convenience.

Should you have any questions or require additional information, please contact me at (650) 266-4570). In my absence from the office, I am available by pager (650.317.0153) and cellular (650. 867.7274) services.

Sincerely,
North State Environmental

Brent A. Wheeler, E.I.T.
Consultant/Project Manager

enclosures

00-0022C.achcsa.rbca.ext

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

StID 1289

January 2, 2001

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

RE: Risk Analysis for 3600 MacArthur Blvd., Oakland, CA

Dear Ms. Hall:

I have completed review of the fascimile of analytical results of groundwater sampling conducted at the above referenced site in June 2000. It is my understanding that a formal quarterly monitoring report is forthcoming. Petroleum hydrocarbon concentrations detected in groundwater from Well MW-1 were comparable with historic results. An underground utility survey has also been conducted for the site vicinity. It appears that utility trenches could act as preferential pathways for the migration of contaminants from the site.

At this time, a risk analysis should be prepared to determine if residual hydrocarabons in soil and groundwater would pose a risk to human health and or the environment. Representative site concentrations can be compared with the Regional Water Quality Control Board's Tier 1 Risk Based Screening Levels (RBSLs). If the Tier 1 RBSLs are exceeded, a Tier 2 analysis should be prepared.

The risk analysis is due within 60 days of the date of this letter, **or by March 5, 2001.** If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Brent Wheeler, North State Environmental, P.O. Box 5624, South San Francisco, CA 94083

scooter4

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

StID 1289

July 28, 2000

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

RE: QMR for 3600 MacArthur Blvd., Oakland, CA

Dear Ms. Hall:

I was reviewing the file for the above referenced site and noted that this office is not in receipt of a quarterly monitoring report (QMR) since June 1999. At that time groundwater from Well MW-1 contained 6,300 parts per billion (ppb) total petroleum hydrocarbons as gasoline (TPHg), 540ppb TPH as diesel, and 420ppb benzene.

At this time you should continue with quarterly monitoring of all onsite wells. After two more sampling events, I will review the case to determine if further work is required or if case closure should be recommended. The next sampling event should be in **August 2000.** A QMR is due 60 days upon completion of field work.

Please be advised that this is a formal request for technical reports pursuant to Title 23, CCR, Section 2722(c). Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by this agency.

Should you have any questions about the content of this letter, please contact me at (510) 567-6762.

eva chu
Hazardous Materials Specialist

scooter3

State Water Resources Control Board

Division of Clean Water Programs
2014 T Street • Sacramento, California 95814 • (916) 227-4366
Mailing Address: P.O. Box 944212 • Sacramento, California • 94244-2120
FAX (916) 227-4530 • Internet Address: http://www.swrcb.ca.gov/~cwphome/ustcf

Winston H. Hickox
Secretary for Environmental Protection

Gray Davis
Governor

FEB 22 2000

RO 0360 EC

00 FEB 24 PM 3:35
ENVIRONMENTAL PROTECTION

Wanetta Hall
4414 Fleming Ave
Oakland, CA 94619

UNDERGROUND STORAGE TANK CLEANUP FUND, CLAIM NO. 011842, FOR SITE ADDRESS: 3600 MACARTHUR BLVD, OAKLAND

The State Water Resources Control Board (State Board) is able to issue, pursuant to applicable regulations, the enclosed Letter of Commitment (LOC) in an amount not to exceed $15,000. This LOC is based upon our review of the corrective action costs you reported to have incurred to date. The LOC may be modified by the State Board.

It is very important that you read the terms and conditions listed in the enclosed LOC. Claims filed with the Underground Storage Tank Cleanup Fund far exceed the funding available and it is very important that you make use of the funding that has been committed to your cleanup in a timely manner.

You are reminded that you must comply with all regulatory agency time schedules and requirements and you must obtain three bids for any required corrective action. Only corrective action costs *required* by the regulatory agency to protect human health, safety and the environment can be claimed for reimbursement. **Unless waived in writing, you are required to obtain *preapproval of costs* for all future corrective action work (form enclosed).** If you have any questions on obtaining preapproval of your costs or the three bid requirement, please call Mark Owens, our Technical Reviewer assigned to claims in your Region, at (916) 227-7883. Failure to obtain preapproval of your future costs may result in the costs not being reimbursed.

The following documents needed to submit your reimbursement request are enclosed:

"Reimbursement Request Instructions" package. **Retain this package for future reimbursement requests.** These instructions must be followed when seeking reimbursement for corrective action costs incurred after January 1, 1988. Included in the instruction package are samples of completed reimbursement request forms and spreadsheets.

"Bid Summary Sheet" to list information on bids received which **must be completed and returned**.

"Reimbursement Request" forms which you **must use to request reimbursement of costs incurred**.

"Spreadsheet" forms which you **must use in conjunction with your reimbursement request**.

* **THIS IS IMPORTANT TO YOU, PLEASE NOTE:**

You have 90 calendar days from the date of this letter to submit your first reimbursement request for incurred corrective action costs. **NO EXTENSIONS CAN BE GRANTED**. If you fail to do so, your LOC funds will automatically be reduced to zero (deobligated). Once this occurs, any future funds for this site are subject to availability when you submit your first reimbursement request. We continuously review the status of all active claims. You must continue to remain in compliance and submit a reimbursement request every 6 months. Failure to do so will result in the Fund taking steps to withdraw your LOC.

If you have any questions regarding the enclosed documents, please contact Anna Torres at (916) 227-4388.

Sincerely,

for Dave Deaner, Manager
UST Cleanup Fund Program

Enclosures

cc: Mr. Steve Morse
RWQCB, Region 2
1515 Clay Street, Ste. 1400
Oakland, CA 94612

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

HK2, Inc./SEMCO

70 CHEMICAL WAY • REDWOOD CITY, CALIFORNIA 94063 • (650) 261-1968 • (650) 261-0735 FAX
GENERAL ENGINEERING & ENVIRONMENTAL CONTRACTORS • LICENSE NO. 719103 (A, B, C57, C61/D40, HAZ, ASB)

December 10, 1998

Ms. Eva Chu
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

RE: Site Characterization Activities at Scooter's Auto Repair, 3600 MacArthur Boulevard, Oakland, California (SEMCO Project 97-0187.1)

Dear Ms. Chu:

Enclosed is a copy of our report summarizing the activities, findings, and conclusions of site characterization activities performed at Scooter's Auto Repair at 3600 MacArthur Boulevard in Oakland, California. Please call if you have any questions.

Sincerely,

Deno G. Milano, RG
Senior Geologist

enclosure

cc: Ms. Wannetta Hall

97-0187.1.sc

12/14/98
① Do QMR for now to verify GW flow and seasonal GW fluctuations.
② later, can do SV to indoor air, pumping inside bldg.

98 DEC 11 PM 1:23

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

StID 1289

August 3, 1998

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd
Oakland, CA 94619

RE: Work Plan Approval for 3600 MacArthur Blvd, Oakland, CA

Dear Ms. Hall:

I have completed review of SEMCO's July 1998 "Revised Work Plan for Preliminary Stie Assessment" prepared for the above referenced site. The proposal to advance soil borings and complete three into groundwater monitoring wells is acceptable. Because groundwater at an adjacent site is encountered at ~2' to 5' bgs, the following changes/additions are recommended:

1. groundwater monitoring well, MW-1, proposed through the former waste oil tank pit should be relocated so it is south, southeast of the former excavation;
2. boring B-4 should be moved so it is south, southeast of former soil sample B;
3. soil which will be collected and analyzed for various soil parameters should be collected from native soil which is free of petroleum hydrocarbons; and,
4. wells should be surveyed and groundwater elevation measured to the nearest hundredth of an inch.

Field work should commence within 60 days of the date of this letter. Please notify me at least 72 hours prior to the start of field activities.

If you have any questions, I can be reached at (510) 567-6762.

eva chu
Hazardous Materials Specialist

c: Deno Milano
Semco
70 Chemical Way
Redwood City, CA 94063

scooter1

09/16/98 Dino, w/ SEMCO, called to say that wells will be installed at end of Sept '98.

09/23/98 Dino, SEMCO, stated that work would begin at site on Oct 6 '98.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

June 23, 1998
STID 1289

re: 3600 Mac Arthur Blvd., Oakland, CA 94619

Wanneta Hall
Scooter Wilson's Auto Repair
3600 Mac Arthur Blvd.
Oakland, CA 94619

Dear Wanneta Hall:

This office received and reviewed a workplan for additional soil and groundwater characterization dated May 21, 1997 by for the above site. You were sent a letter from this office dated May 29, 1997 requesting that you implement the workplan within 60 days. To date this office has not heard anything from you about implementing the workplan.

On August 1, 1997 this office signed a statement for the Underground Storage Tank Cleanup fund that you were in compliance. If you do not implement the workplan you will be found "not in compliance" and will jeopardize your status for reimbursement under the fund.

You are required to implement the workplan, above mentioned, within 60 days. If you have any problems or questions then contact this office immediately. I can be reached at 567-6782.

Sincerely,

Thomas F. Peacock, Manager
Division of Environmental Protection

c: Deno G. Milano, SEMCO, 1751 Leslie St., San Mateo, CA 94402
LeRoy Griffin, Oakland Hazardous Materials
Dick Pantages, Chief - **files-Tom**

#1289 (LOP)

PE

Cal/EPA

State Water Resources Control Board

Division of Clean Water Programs

Mailing Address:
P.O. Box 944212
Sacramento, CA
94244-2120

2014 T Street,
Suite 130
Sacramento, CA
95814
(916) 227-6010
FAX (916) 227-4530

World Wide Web
http://www.swrcb.ca.gov/~cwphome/fundhome.htm

Pete Wilson
Governor

October 23, 1997

Wanetta Hall
4414 Fleming Ave
Oakland, CA 94619

PRE-APPROVAL OF CORRECTIVE ACTION COSTS, CLAIM NO. 11842,
SITE ADDRESS: 3600 MACARTHUR BLVD, OAKLAND, CA 94619

I have reviewed your request, received on September 29, 1997, for pre-approval of corrective action costs. I will place these documents in your file for future reference. I have included a copy of the "Cost Pre-Approval Request" form. Please use this form in the future for requesting pre-approval of corrective action costs.

With the following provisions, the total cost pre-approved as eligible for reimbursement for completing the May 21, 1997, SEMCO/HK2 Inc. workplan approved by the Alameda County EHD in their May 29, 1997 letter, is **$14,594**; see the table below for a breakdown of costs. (This preapproval does not guarantee that a Letter of Commitment (LOC) will be issued for this site. Since a LOC has not yet been issued, no money is currently obligated for reimbursement of expenditures for work directed and approved by the County for your site.)

*Be aware that this pre-approval does not constitute a decision on reimbursement: **all reasonable and necessary** corrective action costs for work **directed and approved by the County** will be eligible for reimbursement per the terms of your Letter of Commitment at costs consistent with those pre-approved in this letter.*

All future costs for corrective action must be approved in writing by Fund staff.
Future costs for corrective action must meet the requirements of
Article 11, Chapter 16, Underground Storage Tank Regulations.

COST PRE-APPROVAL BREAKDOWN

Task	Amount Pre-Approved	Comments
I. Phase II Site Investigation	8,115	Drill five 20' GW; USA utilities: H & S plan; permits and permitting; concrete corings; well development; soil stockpiles.
II. Product Line Piping Removal	0	Per Fund Regulations, costs associate with removals of tanks and pipings are not eligible for funding.
III. Well Survey & Groundwater Sampling	1,090	
IV. Laboratory Analysis	2,605	TPHg, BTEX, MTBE, TPHd, TPH-MO, PAHs, TDS, total lead, porosity, bulk density, and moisture content for soil and gw samples
V. Soil and Groundwater Disposal	1,219	
VI. Report Preparation	1,565	
TOTAL PRE-APPROVED	**$ 14,594**	

- The actual costs and scope of work performed must be consistent with the pre-approval for it to remain valid.
- The work products must be acceptable to the County and the Regional Water Quality Control Board.
- If a different scope of work becomes necessary, then you must request pre-approval of costs on the new scope of work.
- Although I have referred to the CERES Associates proposal in my pre-approval above, please be aware that you will be entering into a private contract: the State of California cannot compel you to sign any specific contract. This letter **pre-approves the costs** as presented in the proposal dated September 16, 1997 by CERES Associates for conducting the work approved by the County for implementing the May 21, 1997, SEMCO/HK2 Inc. workplan.

I also want to remind you that the Fund's regulations require that you obtain at least three bids, or a bid waiver from Fund staff, from qualified firms for all necessary corrective action work. The legislation governing the Fund requires that the Fund assist you in procuring contractor and consultant services for corrective action. If you need assistance in contracting for corrective action services, do not hesitate to call me.

Please remember that it is still necessary to submit the actual costs of the work as explained in the Reimbursement Request Instructions to confirm that the costs are consistent with this pre-approval before you will be reimbursed. ***To make this easier, ensure that your consultant prepares his invoices to match the format of the original estimate with an attached copy of the appropriate pre-approved letter, and provides reasonable explanations for any changes made in the scope of work.*** *When the invoices are submitted you must include copies of all:*

- *subcontractor invoices,*
- *technical reports, when available, and*
- *applicable correspondence from the County.*

Please call if you have any questions; I can be reached at (916) 227-6010.

Sincerely,

Teresa Trinh, Water Resources Control Engineer
Technical Review Unit
Underground Storage Tank Cleanup Fund

Enclosure

cc:

Mr. Thomas Peacock
Alameda County EHD
1131 Harbor Bay Pkway, 2nd Fl.
Alameda, CA 94502-6577

DETAILED REVIEW CHECK LIST
Page 3

3600 MacArthur Blvd.

Claim No: 011842	Claimant Name: Wanetta Hall STID 1289

COMPLIANCE DOCUMENTATION

DATE	ACTION/RESPONSE
3/94	Four USTs were removed.
6/94	County requested preliminary site assessment investigation. Requested at least one monitoring well. In addition piping still needed to be removed, and contaminated soil need to be disposed.
8/94	NOV - no PSA received yet. Remaining product piping still not removed.
10/96	County issued a Final NOV. Submit workplan by 1/8/97 or case will be referred to D.A.s Office.
	Tank Removal Report and Haz Mat Specialist Inspection Report lists tanks as having no apparent holes and minor rust. A slight sheen on gw underneath the diesel tank. (See attached for Sample Analysis)
5/13/97	Telecon w/ Juliet Shin (Alameda County) RP has hired a new consultant. A workplan should be received in a couple of weeks.
7/25/97	Per Juliet Shin, workplan was submitted and approved by the County. The work is currently out to bid. County considers claimant in compliance.

Continued on Reverse ☐

CONFIRMATION OF CORRECTIVE ACTION COMPLIANCE

- [X] Claimant in Corrective Action Complianc
- [ ] Claimant NOT in Corrective Action Comp
- [ ] Claimant NOT in Corrective Action Comp

Post-it® Fax Note 7671	Date 8/1/97 # of pages ▶ 1
To Juliet Shin	From Cheryl Gordon
Co./Dept. Alameda Health	Co. Cleanup Fund
Phone # (510) 567-6763	Phone # (916) 227-4539
Fax # (510) 337-9335	Fax # (916) 227-4530

Juliet Shin — 8/1/97
LEAD AGENCY SIGNATURE — DATE

Cheryl Gordon — 8-1-97
CLAIMS REVIEWER SIGNATURE — DATE

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

May 29, 1997

Ms. Wanetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

STID 1289

Re: Work plan for investigations at 3600 MacArthur Blvd., Oakland, CA

Dear Ms. Hall,

This office has reviewed SEMCO/HK_2, Inc.'s workplan, dated May 21, 1997, proposing additional characterization of soil and groundwater contamination at the above site. This workplan is acceptable to this office. Please try and implement this workplan within 60 days of the date of this letter, or contact this office if this work cannot be done within this frame of time. A report documenting this work should be submitted to this office within 60 days after completing field activities.

In addition to the above work, please submit information on the following: 1) What land uses the site is zoned for; 2) the current use of the site; 3) well survey data showing whether there are any domestic or irrigation wells within 750 feet of the site; and 4) a description of the properties adjacent to the site, including any nearby residences. This information may be included in the report documenting implementation of the workplan.

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

cc: Deno G. Milano
SEMCO/HK_2, Inc.
1751 Leslie Street
San Mateo, CA 94402

P 143 589 322

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

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PS Form **3800**, April 1995

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER:

- Complete items 1 and/or 3 for additional services.
- Complete items 3, 4a, and 4b.
- 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:

Ms. Wanneta Hall
Scooter Wilson's Auto Repair
3600 Mac Arthur Blvd
Oakland, CA 94619

4a. Article Number
P143 589 322

4b. Service Type

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- ☐ COD

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10-22-90

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PS Form **3811**, December 1994

Domestic Return Receipt

Thank you for using Return Receipt Service.

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

FAX TRANSMITTAL SHEET

OUR FAX NO: (415) 588-1950

FAXED TO NO: 510 337-9335

DATE: 10/20/6

TIME: 1 PM

DELIVER TO: Ms. Juliet Shin

FROM: John Nagy

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET: 5

IF YOU DO NOT RECEIVE ANY OF THE PAGES, PLEASE CALL OUR OFFICE. TEL. (415) 588-2838

COMMENTS Replaces Reports we discussed, Revises Units as necessary

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

North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 94-354
Client: Semco
Project: 94-3571 Wannetta Hall

Date Sampled: 03/31/94
Date Analyzed: 04/05/94
Date Reported: 0414/94
Date Revised: 10/20/96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, Gasoline Range Hydrocarbons by EPA method 8015M
TEPH Method 5520 E & F; Lead by Method 7420: Lead by Method 7420

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
94-354-01	#1 Pit Water	Benzene	8020	0.6 ug/L
	Waste Oil	Toluene	8020	2 ug/L
		Ethylbenzene	8020	5 ug/L
		Xylenes	8020	56 ug/L
		Gasoline	8015M	600 ug/L
		Diesel	8015M	0.069 ug/L
			5520 F	ND
94-354-02	#2 Water	Lead		
	Interface	Benzene	8020	ND
	Soil 5'	Toluene	8020	0.012 mg/Kg
		Ethylbenzene	8020	0.038 mg/Kg
		Xylenes	8020	0.081 mg/Kg
		Gasoline	8015M	1.4 mg/Kg
		Diesel	8015M	ND
		TEPH	5520F	87 mg/Kg
94-354-03	#3 Comp	Benzene	8020	ND
	Spoils	Toluene	8020	0.007 mg/Kg
	Waste Oil Soil	Ethylbenzene	8020	ND
		Xylenes	8020	0.032 mg/Kg
		Gasoline	8015M	2.5 mg/Kg
		Diesel	8015M	4 mg/Kg
		TEPH	5520F	177 mg/Kg

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Date Sampled: 03/31/94
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Date Reported: 0414/94
Date Revised: 10/20/96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, Gasoline Range Hydrocarbons by EPA method 8015M
TEPH Method 5520 E & F; Lead by Method 7420

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
94-354-04	#4 East Wall 7' Soil	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Gasoline	8015M	ND
		Diesel	8015M	ND
		Lead	7420	ND
94-354-05	#5 Gas tank Pit Water	Benzene	8020	16 ug/L
		Toluene	8020	47 ug/L
		Ethylbenzene	8020	8 ug/L
		Xylenes	8020	290 ug/L
		Gasoline	8015M	2000 ug/L
		Diesel	8015M	75 mg/L
		Lead	7420	ND
94-354-06	#6 North Wall 7' Soil	enzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Gasoline	8015M	* 2.3 mg/Kg
		Diesel	8015M	ND
		Lead	7420	ND

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North State Environmental
Chemical Waste Disposal • Trucking • Consulting

CERTIFICATE OF ANALYSIS

Lab No: 94-354
Client: Semco
Project:94-3571 Wannetta Hall

Date Sampled: 03/31/94
Date Analyzed: 04/05/94
Date Reported: 0414/94
Date Revised: 10/20/96

Diesel, Gasoline Range Hydrocarbons by Method 8015 M
Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
TEPH by Method 5520 E & F; Lead by Method 7420

SAMPLE NO	CLIENT ID	ANALYTE	METHOD	RESULT
94-354-07	#7 South Wall 7' Soil	Benzene	8020	1.2 mg/Kg
		Toluene	8020	26 mg/Kg
		Ethylbenzene	8020	27 mg/Kg
		Xylenes	8020	75 mg/Kg
		Gasoline	8015M	5 mg/Kg
		Diesel	8015M	330 mg/Kg
		Lead	7420	ND
94-354-08	#8 West Wall 7' Soil	Benzene	8020	0.013 mg/Kg
		Toluene	8020	0.047 mg/Kg
		Ethylbenzene	8020	0.035 mg/Kg
		Xylenes	8020	0.18 mg/Kg
		Gasoline	8015M	5.8 mg/Kg
		Diesel	8015M	ND
		Lead	7420	ND
94-354-09	#9 Gas Comp Spoils Soil	Benzene	8020	ND
		Toluene	8020	ND
		Ethylbenzene	8020	ND
		Xylenes	8020	ND
		Gasoline	8015M	ND
		Diesel	8015M	ND
		Lead	7420	ND

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North State Environmental
Chemical Waste Disposal · Trucking · Consulting

CERTIFICATE OF ANALYSIS

Lab No: 94-354
Client: Semco
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Date Sampled: 03/31/94
Date Analyzed: 04/05/94
Date Reported: 0414/94
Date Revised: 10/20/96

Benzene, Toluene, Ethylbenzene and Xylenes by Method 8020
Diesel, Gasoline Range Hydrocarbons by EPA method 8015M
TEPH by Method 5520 E & F; Lead by Method 7420
Quality Control/Quality Assurance Summary- Soil

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	0.005 mg/Kg	ND	BTEX Avg	94% <4
Toluene	8020	0.005 mg/Kg	ND		
Ethylbenzene	8020	0.005 mg/Kg	ND		
Xylenes	8020	0.010 mg/Kg	ND		
Gasoline	8015M	0.5 mg/Kg	ND	Avg	99% <7
Diesel	8015M	10 mg/Kg	ND		94% <9
TEPH	5520F	50 mg/Kg	ND		100% <3
Lead	7420	5 mg/Kg	ND	Avg	101% <7

Quality Control/Quality Assurance Summary- Water

Analyte	Method	Reporting Limit	Blank	MS/MSD Recovery	RPD
Benzene	8020	5 ug/L	ND	BTEX Avg	94% <4
Toluene	8020	5 ug/L	ND		
Ethylbenzene	8020	5 ug/L	ND		
Xylenes	8020	10 ug/L	ND		
Gasoline	8015M	500 ug/L	ND	Avg	99% <7
Diesel	8015M5520F	50 ug/l	ND		94% <9
TEPH	5520 F	5000 ug/L	ND		100% <3
Lead	7420	1.0 mg/L	ND	Avg	101% <7

1% ELAP Certificate NO: 1753
* Does not match typical Gasoline pattern.
Reviewed and Approved:

John A. Murphy, Laboratory Director

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

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

October 17, 1996

Ms. Wannetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

STID 1289

Re: Required investigations for 3600 MacArthur Blvd., Oakland, California

FINAL NOTICE OF VIOLATION

Dear Ms. Wannetta Hall,

On March 31, 1994, four underground storage tanks (USTs) were removed from the above site: two 8,000-gallon gasoline USTs, one 6,000-gallon diesel UST, and one 100-gallon waste oil UST. Soil and groundwater samples were collected from the UST pits and analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Total Petroleum Hydrocarbon as diesel (TPHd), benzene, toluene, ethylbenzene, and xylenes (BTEX). Additionally, the soil and "grab" groundwater samples collected from the waste oil UST pit were analyzed for Total Oil & Grease, halogenated volatile organics, semi-volatile organics, and heavy metals. Analysis of soil samples identified up to 5,000 parts per million (ppm) TPHg, 300ppm TPHd, 1.2ppm benzene, 26ppm toluene, 27ppm ethylbenzene, 75ppm xylenes, and 57ppm chromium. Analysis of water samples identified up to 2,000 parts per billion (ppb) TPHg, 75,000ppb TPHd, 16ppb benzene, 47ppb toluene, 8ppb ethylbenzene, and 290ppb xylenes. Based on these observed contaminant concentrations and the Tier 1 table of the American Society for Testing and Materials' Risk-Based Corrective Action Guidelines, these concentrations may be posing a risk to human health and the environment.

Per Article 11, Title 23 California Code of Regulations and the San Francisco Bay Region-Water Quality Control Board's (RWQCB) interim guidelines, you are required to conduct additional investigations at the site to characterize the extent of the contamination, remove any on-going sources, determine whether the groundwater contaminant plume is stable, and determine whether the soil and groundwater contamination is posing a risk to human health or the environment (please refer to attached copy of the RWQCB's interim guidelines).

On June 3, 1994 and August 4, 1994, this office sent you a letter requiring a workplan addressing additional investigations to delineate the extent and severity of soil and groundwater contamination at the site. To this date, this office has not received any workplan. **This office is requesting that a work plan, addressing the above work, be submitted to this office within 90 days of the date of this letter (i.e., by January 9, 1997). This is our final request to you**

to conduct the required investigations. If you do not meet the deadlines for investigations given in this letter, this case will be transferred to the Alameda County District Attorney's office and/or the RWQCB in which case fines of up to $1,000 per day may be sought, pursuant to Section 13268(b) of the California Water Code.

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton.

In order to properly conduct a site investigation, you are required to obtain professional services of a reputable environmental consultant. **All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer.**

Lastly, it is the understanding of this office that the product piping at the site has not yet been removed. You are required to remove this piping and collect samples beneath this piping (one sample per every 20 feet of piping). Additionally, elevated contaminant levels were identified in the excavated soil from the waste oil UST pit. In the June 3, 1994 letter, this office required that you dispose of this soil at the approriate certified disposal facility. Please submit manifests documenting the disposal of this soil off site. **The manifests, as well as information addressing the piping removal, should be included in the above required workplan.**

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

Sincerely,

Juliet Shin
Senior Hazardous Materials Specialist

ATTACHMENT

cc: Acting Chief

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

EMERGENCY ☐ YES ☑ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED ? ☐ YES ☑ NO

REPORT DATE 08/07/96 | CASE #

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.
SIGNED [signature] DATE 10/17/96

REPORTED BY
NAME OF INDIVIDUAL FILING REPORT: R. Kupel / HK2, INC / SEMCO | PHONE: 415 572-8033 | SIGNATURE: [signature]
REPRESENTING ☑ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER | COMPANY OR AGENCY NAME: HK2, INC / SEMCO
ADDRESS: 1751 Leslie St. (STREET) | San Mateo (CITY) | CA (STATE) | 94402 (ZIP)

RESPONSIBLE PARTY
NAME: Wanetta Hall ☐ UNKNOWN | CONTACT PERSON: — | PHONE: (510) 533-2249
ADDRESS: 3600 MacArthur Ave. (STREET) | Oakland (CITY) | CA (STATE) | 94619 (ZIP)

SITE LOCATION
FACILITY NAME (IF APPLICABLE): Scooter Wilson's Auto Repair | OPERATOR | PHONE: (510) 451-3130
ADDRESS: 3600 MacArthur Ave (STREET) | Oakland (CITY) | Alameda (COUNTY) | 94619 (ZIP)
CROSS STREET

IMPLEMENTING AGENCIES
LOCAL AGENCY: Alameda City Env. Health | AGENCY NAME | CONTACT PERSON: Juliet Shin | PHONE: (510) 567-6700
REGIONAL BOARD: RWQCB | CONTACT PERSON: Diane Mims | PHONE: (510) 286-1255

SUBSTANCES INVOLVED
(1) NAME: Gas | QUANTITY LOST (GALLONS) ☑ UNKNOWN
(2) Diesel ☑ UNKNOWN

DISCOVERY/ABATEMENT
DATE DISCOVERED: 03/31/94 | HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☑ TANK REMOVAL ☐ OTHER
DATE DISCHARGE BEGAN ☑ UNKNOWN
HAS DISCHARGE BEEN STOPPED ? ☑ YES ☐ NO IF YES, DATE
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☐ REMOVE CONTENTS ☑ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE
SOURCE OF DISCHARGE: ☐ TANK LEAK ☑ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☐ UNKNOWN ☐ OTHER

CASE TYPE
CHECK ONE ONLY: ☑ UNDETERMINED ☐ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS
CHECK ONE ONLY: ☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION ☐ LEAK BEING CONFIRMED ☑ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS ☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION
CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS): ☑ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT) ☐ CAP SITE (CD) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS) ☐ CONTAINMENT BARRIER (CB) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS) ☐ VACUUM EXTRACT (VE) ☐ OTHER (OT)

COMMENTS

HSC 05 (8/90)

INSTRUCTIONS

EMERGENCY
Indicate whether emergency response personnel and equipment were involved at any time. If so, a Hazardous Material Incident Report should be filed with the State Office of Emergency Services (OES) at 2800 Meadowview Road, Sacramento, CA 95832. Copies of the OES report form may be obtained at your local underground storage tank permitting agency. Indicate whether the OES report has been filed as of the date of this report.

LOCAL AGENCY ONLY
To avoid duplicate notification pursuant to Health and Safety code Section 25180.5, a government employee should sign and date the form in this block. A signature here does not mean that the leak has been determined to pose a significant threat to human health or safety, only that notification procedures have been followed if required.

REPORTED BY
Enter your name, telephone number, and address. Indicate which party you represent and provide company or agency name.

RESPONSIBLE PARTY
Enter name, telephone number, contact person, and address of the party responsible for the leak. The responsible party would normally be the tank owner.

SITE LOCATION
Enter information regarding the tank facility. At a minimum, you must provide the facility name and full address.

IMPLEMENTING AGENCIES
Enter names of the local agency and Regional Water Quality Control Board involved.

SUBSTANCES INVOLVED
Enter the name and quantity lost of the hazardous substance involved. Room is provided for information on two substances if appropriate. If more than two substances leaked, list the two of most concern for cleanup.

DISCOVERY/ABATEMENT
Provide information regarding the discovery and abatement of the leak.

SOURCE/CAUSE
Indicate source(s) of leak. Check box(es) indicating cause of leak.

CASE TYPE
Indicate the case type category for this leak. Check one box only. Case type is based on the most sensitive resource affected. For example, if both soil and ground water have been affected, case type will be "Ground Water". Indicate "Drinking Water" only if one or more municipal or domestic water wells have actually been affected. A "Ground Water" designation does not imply that the affected water cannot be, or is not, used for drinking water, but only that water wells have not yet been affected. It is understood that case type may change upon further investigation.

CURRENT STATUS
Indicate the category which best describes the current status of the case. Check one box only. The response should be relative to the case type. For example, if case type is "Ground Water", then "Current Status" should refer to the status of the ground water investigation or cleanup, as opposed to that of soil. Descriptions of options follow:

No Action Taken - No action has been taken by responsible party beyond initial report of leak.
Leak Being Confirmed - Leak suspected at site, but has not been confirmed.
Preliminary Site Assessment Workplan Submitted - workplan/proposal requested of/submitted by responsible party to determine whether ground water has been, or will be, impacted as a result of the release.
Preliminary Site Assessment Underway - implementation of workplan.
Pollution Characterization - responsible party is in the process of fully defining the extent of contamination in soil and ground water and assessing impacts on surface and/or ground water.
Remediation Plan - remediation plan submitted evaluating long term remediation options. Proposal and implementation schedule for appropriate remediation options also submitted.
Cleanup Underway - implementation of remediation plan.
Post Cleanup Monitoring in Progress - periodic ground water or other monitoring at site, as necessary, to verify and/or evaluate effectiveness of remedial activities.
Case Closed - regional board and local agency in concurrence that no further work is necessary at the site.

IMPORTANT: THE INFORMATION PROVIDED ON THIS FORM IS INTENDED FOR GENERAL STATISTICAL PURPOSES ONLY AND IS NOT TO BE CONSTRUED AS REPRESENTING THE OFFICIAL POSITION OF ANY GOVERNMENTAL AGENCY

REMEDIAL ACTION
Indicate which action have been used to cleanup or remediate the leak. Descriptions of options follow:

Cap Site - install horizontal impermeable layer to reduce rainfall infiltration.
Containment Barrier - install vertical dike to block horizontal movement of contaminant.
Excavate and Dispose - remove contaminated soil and dispose in approved site.
Excavate and Treat - remove contaminated soil and treat (includes spreading or land farming).
Remove Free Product - remove floating product from water table.
Pump and Treat Groundwater - generally employed to remove dissolved contaminants.
Enhanced Biodegradation - use of any available technology to promote bacterial decomposition of contaminants.
Replace Supply - provide alternative water supply to affected parties.
Treatment at Hookup - install water treatment devices at each dwelling or other place of use.
Vacuum Extract - use pumps or blowers to draw air through soil.
Vent Soil - bore holes in soil to allow volatilization of contaminants.
No Action Required - incident is minor, requiring no remedial action.

COMMENTS - Use this space to elaborate on any aspects of the incident.

SIGNATURE - Sign the form in the space provided.

DISTRIBUTION
If the form is completed by the tank owner or his agent, retain the last copy and forward the remaining copies intact to your local tank permitting agency for distribution.

1. Original - Local Tank Permitting Agency
2. State Water Resources Control Board, Division of Clean Water Programs, Underground Storage Tank Program, P.O. Box 944212, Sacramento, CA 94244-2120
3. Regional Water Quality Control Board
4. Local Health Officer and County Board of Supervisors or their designee to receive Proposition 65 notifications.
5. Owner/responsible party.

Alameda County Environmental Health Department
Division of Environmental Protection

1131 Harbor Bay Parkway, Suite #250
Alameda, CA 94502-6577
Telephone (510) 567-6700 FAX (510) 337-9432

FACSIMILE COVER SHEET

To: Juanita

From: Madhulla Logan

567-6764

Date: ______

___ Total number of pages including cover sheet

Notes: This is the letter from Tulio Ahir mentioning the work that needs to be completed on the Property. I will follow this up with another letter - (2nd notice of violation).

Madhulla L.

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

533-0787

Alameda County CC 4580
Health Care Services Agency
Dept. Of Environmental Health
1131 Harbor Bay Pkwy 2nd Flr.
Alameda, CA 94502-6577

August 4, 1994

Ms. Wannetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

STID 1289

Re: Required investigations at 3600 MacArthur Blvd., Oakland, California

NOTICE OF VIOLATION

Dear Ms. Hall,

On June 3, 1994, this office sent you a letter requiring you to conduct a Preliminary Site Assessment (PSA) at the above site by July 29, 1994 (refer to the attached copy of the letter). Additionally, this office required you to remove the remaining product piping from the site by July 15, 1994. To this date, this office has received no PSA nor any correspondence regarding any plans to prepare a PSA or remove the remaining product piping.

Per Section 2722(c) and 2725(c), Article 11, Title 23 California Code of Regulations, you are required to submit a PSA work plan addressing the delineation of both soil and ground water contamination at the site, **within 60 days** of the date of this letter. The work plan shall address all the required details outlined in the June 3, 1994 letter (attached).

Failure to furnish this technical report can result in fines of up to **$1,000 per day** , pursuant to Section 13268 (b) of the California Water Code.

Additionally, you are required to remove the remaining product piping at the site **within 45 days** of the date of this letter. You are required to notify me at least one week in advance of this activity so that a County representative can be present to observe the excavation, proper disposal, and sampling.

If you have any questions or comments, please contact me at (510) 567-6763 or (510) 567-6700.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

ATTACHMENT

cc: Gil Jensen, Alameda County District Attorney's Office

Terry Hamilton
SEMCO
1741 Leslie St.

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs

June 3, 1994

Ms. Wannetta Hall
Scooter Wilson's Auto Repair
3600 MacArthur Blvd.
Oakland, CA 94619

Post-It™ brand fax transmittal memo 7671	# of pages ▸ 4
To Deno Milano	From Juliet Shin
Co. SEMCO/HKZ	Co. Alameda County
Dept.	Phone # 510-567-6763
Fax # 415-572-9734	Fax # 510-337-9335

STID 1289

Re: Required investigation
California

Dear Ms. Hall,

On March 31, 1994, four underground storage tanks (USTs) were removed from the above site: two 8,000-gallon gasoline USTs, one 6,000-gallon diesel UST, and one 100-gallon waste oil UST. Soil and ground water samples were collected from the tank pits. Analysis of samples identified up to 5,000 parts per million (ppm) Total Petroleum Hydrocarbons as gasoline (TPHg) and 330 ppm Total Petroleum Hydrocarbons as diesel (TPHd) in the tank pit soil samples, and up to 2,000 parts per billion (ppb) TPHg in the ground water samples.

Guidelines established by the California Regional Water Quality Control Board (RWQCB) require that soil and ground water investigations be conducted when there is evidence to indicate that a release has impacted the ground water.

You are required to conduct a **Preliminary Site Assessment (PSA)** to determine the lateral and vertical extent and severity of **both soil and ground water** contamination resulting from the release at the site. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site, if deemed necessary. The PSA must be conducted in accordance with the RWQCB's Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, and be consistent with requirements set forth in Article 11 of Title 23, California Code of Regulations. The major elements of such an investigation are summarized in the attached **Appendix A.** The major elements of the guidelines include, but are not limited to, the following:

- At least one ground water monitoring well must be installed within 10 feet of the observed soil contamination, oriented in the confirmed downgradient direction relative to ground water flow. In the absence of neighboring monitoring wells located within 100 feet of the site, or any other data identifying the confirmed downgradient direction, a minimum of three wells will be required to verify gradient

direction. During the installation of these wells, soil samples are to be collected at five-foot-depth intervals and any significant changes in lithology.

- Subsequent to the installation of the monitoring wells, these wells must be **surveyed to an established benchmark**, (i.e., Mean Sea Level) with an accuracy of 0.01 foot. Ground water samples are to be collected and analyzed quarterly, and water level measurements are **to be collected monthly for the first three months**, and then quarterly thereafter. If the initial ground water elevation contours indicate that ground water flow directions vary greatly than you will be required to continue monthly water level measurements until the ground water gradient behavior is known. **Both soil and ground water samples must be analyzed for TPHg, TPHd, TOG, and BTEX.**

This Department will oversee the assessment and remediation of your site. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton. The RWQCB may choose to take over as lead agency if it is determined, following the completion of the initial assessment, that there has been a substantial impact to ground water.

In order to properly conduct a site investigation, you are required to obtain professional services of a reputable environmental consultant. **All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer.**

The PSA proposal is due within 60 days of the date of this letter. Once the proposal is approved, field work should commence within 60 days. A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". Such quarterly reports are due the first day of the second month of each subsequent quarter.

The referenced initial and quarterly reports must describe the status of the investigation and must include, among others, the following elements:

- Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.

- Status of ground water contamination characterization.

- Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.

- Recommendations or plans for additional investigative work or remediation.

Please be advised that this is a formal request for a work plan pursuant to **Section 2722 (c)(d) of Title 23 California Code of Regulations**. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or RWQCB.

Lastly, it is the understanding of this office that the product piping at the site has not yet been removed. You are required to remove this piping and collect samples beneath this piping (one sample per every 20 feet of piping). Additionally, unacceptable contaminant levels were identified in the excavated soil from the waste oil tank pit. You are required to properly dispose of this soil at a certified facility and remove the piping **within 45 days** of the date of this letter. You must notify this office **at least one week in advance** of this work so that a County representative can be present at the site to observe this work.

The State Water Resources Control Board has a Petroleum Underground Storage Tank Cleanup Fund available to sites to assist in investigations and cleanup. This office encourages you to look into applying to this fund. The address and phone number of the trust fund is:

State Water Resources Control Board
Division of Clean Water Programs
UST Cleanup Fund Program
2014 T Street, Ste 130
P.O. Box 944212
Sacramento, CA 94244-2120
(916) 227-4307

If you have any questions about the fund, you can contact Blessy Torres at (916) 227-4535. Any other questions can be directed to me at (510) 271-4530.

Sincerely,

Juliet Shin
Hazardous Materials Specialist

cc: Terry Hamilton
SEMCO
1741 Leslie St.
San Mateo, CA 94402

Edgar Howell-File(JS)

Pg 1

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 1289 Site Name Scooter Wilson Today's Date 3/31/94

Site Address 3600 Mac Arthur EPA ID# _____

City Oakland Zip 94619 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	1. Waste ID	* 66471
	2. EPA ID	66472
	3. > 90 days	66508
	4. Label dates	66508
	5. Biennial	66493
Manifest	6. Records	66492
Manifest	7. Correct	66484
Manifest	8. Copy sent	66492
Manifest	9. Exception	66484
Manifest	10. Copies Rec'd	66492
Misc.	11. Treatment	66371
Misc.	12. On-site Disp. (H.S.&C.)	26189.5
Misc.	13. Ex Haz. Waste	66570
Prevention	14. Communications	67121
Prevention	15. Aisle Space	67124
Prevention	16. Local Authority	67126
Prevention	17. Maintenance	67120
Prevention	18. Training	67105
Contin. gency	19. Prepared	67140
Contin. gency	20. Name List	67141
Contin. gency	21. Copies	67141
Contin. gency	22. Emg. Coord. Tmg.	67144
Containers, Tanks	23. Condition	67241
Containers, Tanks	24. Compatibility	67242
Containers, Tanks	25. Maintenance	67243
Containers, Tanks	26. Inspection	67244
Containers, Tanks	27. Buffer Zone	67246
Containers, Tanks	28. Tank Inspection	67259
Containers, Tanks	29. Containment	67245
Containers, Tanks	30. Safe Storage	67261
Containers, Tanks	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
Manifest	36. EPA ID #s	66531
Manifest	37. Correct	66541
Manifest	38. HW Delivery	66543
Manifest	39. Records	66544
Cont'rs	40. Name/ Covers	66545
Cont'rs	41. Recyclables	66800

Comments:

Arrived on site at ~11:30 Am. Came out to oversee the removal of 2, 8,000-gallon gas USTs, one fiberglass 6,000-gallon diesel UST, and one 1,000-gallon waste oil UST. The piping to the dispensers will be removed on another day (hopefully within the next 2 working days). The dispensers have already been removed. Soil staining along portions of the sidewall have already been noted. Some water and stained soil noted in the waste oil tank pit. Piping from this tank appeared to lead into building, which is located adjacent to this tank, to the southeast. Larry Jones, Oakland Fire Dept., arrived on site. Soil type in pit appeared to be very sandy, and the walls of the pit were partially undermined already. The dimensions of the waste oil pit are 5'x7'x5' deep. Water in waste oil pit appears to be groundwater, since high groundwater was observed in gas UST pit last night, according to Terry, SEMCO.

Rev 6/88

Contact: Terry Hamilton
Title: President, Semco
Signature: Terry Hamilton

Inspector: Juliet Shin
Signature: Juliet Shin

fg 2

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 1289 Site Name Scooter Wilson Today's Date 3/31/94

Site Address 3600 MacArthur EPA ID# _____

City Oakland Zip 94619 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

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	3. > 90 days	66508
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Prevention	14. Communications	67121
Prevention	15. Aisle Space	67124
Prevention	16. Local Authority	67126
Prevention	17. Maintenance	67120
Prevention	18. Training	67105
Contin. gency	19. Prepared	67140
Contin. gency	20. Name List	67141
Contin. gency	21. Copies	67141
Contin. gency	22. Emg. Coord. Trng.	67144
Containers, Tanks	23. Condition	67241
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Containers, Tanks	28. Tank Inspection	67259
Containers, Tanks	29. Containment	67245
Containers, Tanks	30. Safe Storage	67261
Containers, Tanks	31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	32. Applic./Insurance	66428
	33. Comp. Cert./CHP Insp.	66448
	34. Containers	66465
Manifest	35. Vehicles	66465
Manifest	36. EPA ID #s	66531
Manifest	37. Correct	66541
Manifest	38. HW Delivery	66543
Manifest	39. Records	66544
Cont'ls	40. Name/ Covers	66545
Cont'ls	41. Recyclables	66800

Comments:

Waste oil UST removed. No apparent holes were noted in UST. Additional contaminated soil & odor revealed in Pit. Clean tank was removed from pit. Groundwater was percolating into pit. Stained soil observed on bottom and sidewalls of pit on end where fill pipe (south?) was. Semco will remove this piping today. Groundwater sample collected from pit. Oily substances noted on ground near waste oil pit. Soil sample was collected from the soil/water interface from ~4' bgs on side adjacent to building (west). Two composite soil samples were collected from the stockpiled soil, to be composited. All samples will be analyzed for whole array of waste oil constituents listed in Table 2 of RWQCB guidelines. Waste oil pit will be lined w/ visqueen and the stockpiled soil will temporarily be placed back in pit for safety reasons. Contaminated soil was also left in place in pit.

Rev 6/88

Contact: Terry Hamilton

Title: President

Signature: Terry Hamilton

Inspector: Juliet Shin

Signature: Juliet Shin

Pg 3

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Division Inspection Form

Site ID# 1289 Site Name Scooter Wilson Today's Date 3/31/94

Site Address 3600 MacArthur EPA ID# _____

City Oakland Zip 94619 Phone _____

MAX Amt. Stored > 500lbs/55g/200cf? Y N
Hazardous Waste generated per month? _____

Inspection Categories:
___ I. Haz. Mat/Waste GENERATOR/TRANSPORTER
___ II. Business Plans, Acute Hazardous Materials
___ III. Underground Tanks

The marked items represent violations of the Calif. Administration Code (CAC) or the Health & Safety Code (HS&C)

I.A GENERATOR (Title 22)

	___ 1. Waste ID	* 66471
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	___ 3. > 90 days	66508
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Manifest	___ 6. Records	66492
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	___ 10. Copies Rec'd	66492
Misc.	___ 11. Treatment	66371
	___ 12. On-site Disp. (H.S.&C.)	26189.5
	___ 13. Ex Haz. Waste	66570
Prevention	___ 14. Communications	67121
	___ 15. Aisle Space	67124
	___ 16. Local Authority	67126
	___ 17. Maintenance	67120
	___ 18. Training	67105
Contin. gency	___ 19. Prepared	67140
	___ 20. Name List	67141
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Containers, Tanks	___ 23. Condition	67241
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	___ 26. Inspection	67244
	___ 27. Buffer Zone	67246
	___ 28. Tank Inspection	67259
	___ 29. Containment	67245
	___ 30. Safe Storage	67261
	___ 31. Freeboard	67257

I.B TRANSPORTER (Title 22)

	___ 32. Applic./Insurance	66428
	___ 33. Comp. Cert./CHP Insp.	66448
	___ 34. Containers	66465
Manifest	___ 35. Vehicles	66465
	___ 36. EPA ID #s	66531
	___ 37. Correct	66541
	___ 38. HW Delivery	66543
	___ 39. Records	66544
Cont'rs	___ 40. Name/ Covers	66545
	___ 41. Recyclables	66800

Comments:

Collected groundwater sample from gas/diesel UST pit. Apparently, according to Terry, the owner of site has chosen not to pump pit and let it recharge due to the cost. So, at this time, they wanted only a rough or minimal groundwater characterization. Water was sprayed on tanks to cool them down in order to assist in reducing LEL and O2 levels, since they were having a great deal of difficulty reducing levels all day. The fill ends of the gas USTs were on the west ends facing MacArthur. The fill end on the diesel UST is on the north end, facing Magee. No holes evident in first 8,000-gallon UST removed.

Rev 6/88

Contact: Terry Hamilton
Title: President
Signature: Terry Hamilton

Inspector: Juliet Shin
Signature: _____

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

page 4 of 5

Hazardous Materials Inspection Form

II,III

Site ID # ____ Site Name Scooter Wilson Today's Date 3/31/94

Site Address 3600 MacArthur Blvd.

City Oak 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

I I I

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

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)

II.B ACUTELY HAZ. MAT'LS

___	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

___	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 gndwater
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 tstng
8) Annual Tank Testing
Daily Inventory
9) Other ____

___	7. Precis Tank Test Date: ____	2643
___	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 Date: ____	2711
___	14. As Built Date: ____	2635

Rev 6/88

Comments:

2:15 arrived onsite to relieve Juliet Shin.
2:35 removal of second 8,000-gal. gasoline UST (closer to bldg). UST is ? gal wall steel w/ tar wrap. No obvious holes; minor rust.
3:00 Removal of 6,000-gal. diesel UST. UST is fiberglass; no obvious holes.
Slight sheen on gw in diesel pit.
3:40 Took soil sample #4 from East wall at ~7'. Soil is gravelly clay; greenish; no petro. odor.
3:50 Took soil sample #6 from N. wall at ~7' Soil is tight ~~gravelly~~ clay; partly green; no petro. odor. 4:00 Took soil sample #7 from ~~West~~ south wall at ~7'. Strong petro. odor. Sample taken below piping (which leads to dispenser).
4:10 Took soil sample #8 from west wall at ~7'. Soil is gravelly clay; no petro. odor.

Manifest #s 93266947 (8K gas + 6K diesel) + #92892409 (8K gas + 100-gal waste oil), as per Terry's notes. I did not see the manifests.

II, III

Contact: Terry Hamilton, Page 415-377-8658

Title: Project Mgr. Inspector: J. Eberle

Signature: Terry Hamilton Signature: J. Eberle

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

80 Swan Way, #200
Oakland, CA 94621
(415) 271-4320

Hazardous Materials Inspection Form

P. 5 of 5

II,III

Site ID # ____ Site Name Scooter Wilson's Today's Date 3/31/94

Site Address 3600 MacArthur

City Oak 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)

II.A BUSINESS PLANS (Title 19)

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__	2. Bus. Plan Stds.	25503(b)
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__	4. Inventory Information	25504(a)
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__	6. Emergency Response	25504(b)
__	7. Training	25504(c)
__	8. Deficiency	25505(a)
__	9. Modification	25505(b)

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

__	1. Permit Application	25284 (H&S)
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1) Monthly Test
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Semi-annual gndwater
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 tstng
8) Annual Tank Testing
Daily Inventory
9) Other ____

__	7. Precis Tank Test Date: ____	2643
__	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 Date: ____	2711
__	14. As Built Date: ____	2635

Rev 6/88

Comments:

Senco plans to backfill the stockpiled soil + later reexcavate it. 4:50 Stockpile is ~50 yd³ + is being sampled in a 4-pt. composite. A visqueen liner will be placed above the stockpiled soil in the excavation. The pit will then be backfilled w/ clean fill from Granite Rock in Redwood City to grade. This is being done bec. safety is an issue. Site is located at a busy intersection in a residential neighborhood.

II, III

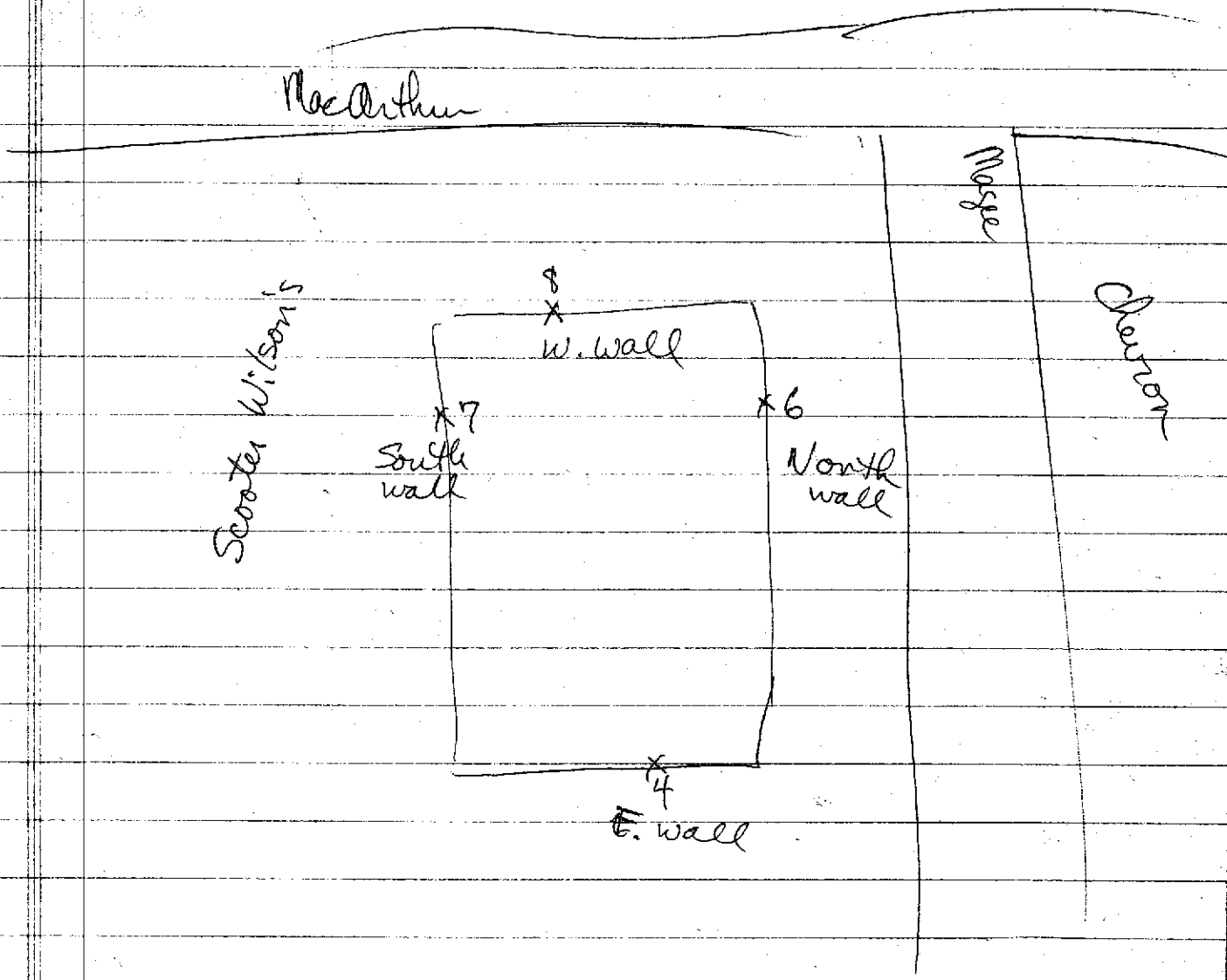
Contact: Terry Hamilton Pager 415-377-8658

Title: Project Mgr.

Inspector: Jennifer Eberle

Signature: Terry Hamilton

Signature: J Eberle


MacArthur
Magee
Chevron
Wilson's
Scooter
8
W. wall
7
South wall
6
North wall
4
E. wall

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program
80 Swan Way, Rm 200
Oakland, CA 94621
(510) 271-4530

March 15, 1994

Wannetta Hall
3600 MacArthur Blvd.
Oakland, CA 94619

STID 1289

Re: Required tank removals at 3600 MacArthur Blvd., Oakland, California

Dear Ms. Hall,

You submitted Underground Storage Tank Closure Plans to this office in June 1991 for the removal of four underground storage tanks at the above site. These plans were approved in September 1991. To this date, these underground storage tanks have not been removed. Per **Alameda County Fire Code, Section 79.114(e)**, underground storage tanks are required to removed within 90 days of not being in service. Apparently your tanks have not been in service for over two years. Therefore, you are required to remove these tanks **within the 30 days** of the date of this letter.

This office needs to be notified one week in advance of the scheduled tank removals so that one of our Hazardous Materials Specialists can be present during the field work.

If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

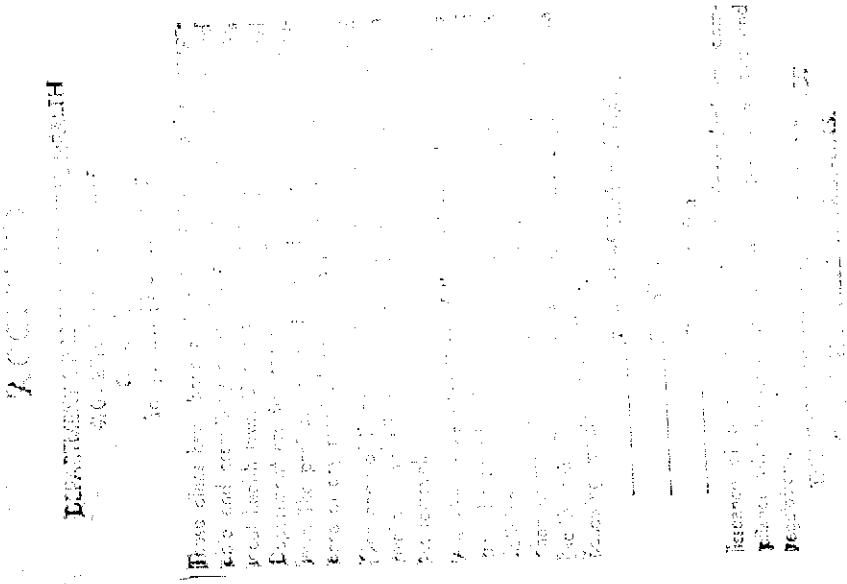
Juliet Shin
Hazardous Materials Specialist

cc: SEMCO
1741 Leslie St.
San Mateo, CA 94402

Edgar Howell-File(JS)

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Project Specialist (print) _____



UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. **Business Name** Scooter Wilson's Auto Repair

   Business Owner Scooter Wilson

2. **Site Address** 3600 MacArthur Blv.

   City Oakland **Zip** 94619 **Phone** _____

3. **Mailing Address** 3600 MacArthur Blvd

   City Oakland **Zip** 94619 **Phone** _____

4. **Land Owner** Wannetta Hall

   Address 3600 MacArthur Blvd **City, State** Oakland, CA **Zip** 94619

5. **Generator name under which tank will be manifested** Wannetta Hall

   EPA I.D. No. under which tank will be manifested CAL 000092357

rev 12/90

6. Contractor SEMCO

Address 1741 Leslie Street

City San Mateo, CA 94402 Phone (415) 572-8033

License Type A.B. & C-61 ID# 449864

7. Consultant N/A

Address

City Phone

8. Contact Person for Investigation

Name Chuck Kiper Title Vice-President

Phone (415) 572-8033

9. Number of tanks being closed under this plan 4

Length of piping being removed under this plan undetermined

Total number of tanks at facility 4

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

** Underground tanks are hazardous waste and must be handled ** as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name Allied Petroleum EPA I.D. No. CAL 000112314

Hauler License No. 1168 License Exp. Date 4/30/94

Address 1217 7TH Street

City Modesto State CA Zip 95351

b) Product/Residual Sludge/Rinsate Disposal Site

Name Refineries Services EPA I.D. No. CAD083166728

Address 13331 West Highway 33

City Patterson State CA Zip 95363

rev 12/90

c) Tank and Piping Transporter

Name RHT Trucking EPA I.D. No. CAL 000112413

Hauler License No. 2753 License Exp. Date 4/30/94

Address 1217 7TH Street

City Modesto State CA Zip 95351

d) Tank and Piping Disposal Site

Name Erickson EPA I.D. No. CAD009466392

Address 255 Parr Blvd.

City Richmond State CA Zip 94801

11. Experienced Sample Collector

Name Chuck Kiper

Company SEMCO

Address 1741 Leslie Street

City San Mateo State CA Zip 94402 Phone (415)572-8033

12. Laboratory

Name Superior Analytical

Address 1555 Burke Unit I

City San Francisco State CA Zip 94124

State Certification No. 1332 & 319

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

If yes, describe.

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14. Describe methods to be used for rendering tank inert

HIGH PRESSURE HOT WATER DETERGENT WASH

20 LBS PER 1000 GALLONS DRY ICE LEL < 10%

O_2 < 10%

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 plugged.

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
8000	GASOLINE steel	SOIL/WATER 2 soil samples, one from each end of pit. If gw, one from each end of [illegible] from pit wall at soil/water interface.	2FEET BELOW EACH END OF TANK
8000	″″″″″″″″ steel	″″″″″″″″″″	″″″″″″″″″
6000	″″″″″″″″ fiberglass	″″″″″″″″″″″″″″	″″″″″″″″″″″″″
500	WASTE OIL	″″″″″″″″″″″″″″ One soil sample beneath pit. If groundwater, one sample and two from each end of tanks on wall at soil/water interface.	2 FEET BELOW FILL END OF TANK groundwater soil samples, one

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

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Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)	Sampling Plan
15-35 cu.yds.	SOIL SAMPLES TAKEN FROM EXCAVATION WILL BE COLLECTED PLACED IN BRASS TUBES, SEALED WITH FOIL, TEFLON CAPS, SEALED WITH APPROVED TAPE, PLACED ON ICE, TRANSPORTED TO STATE CERTIFIED LAB, UNDER CHAIN OF CUSTODY AND ANALYZED FOR THE CONSTITUENTS OF THE TANK. 1 sample/20 cy of to be reused on site. 1 sample/50 cyd of to be hauled off site.

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

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.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
Unleaded Gas	TPH G GCFID(5030)	TPH G	GCFID(5030)
	BTX&E 8020 or 8240	BTX&E	602, 624 or 8260
	TPH AND BTX&E 8260		

Lead analysis should be included for two 8,000-gallon USTs

Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030)	TPH G	GCFID(5030)
	TPH D GCFID(3550)	TPH D	GCFID(3510
	TPH AND BTX&E 8260		
	O & G 5520 D & F	O & G	5520 C & F
	BTX&E 8020 or 8240	BTX&E	602, 624 or 8260
	CL HC 8010 or 8240	CL HC	601 or 624

ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni
METHOD 8270 FOR SOIL OR WATER TO DETECT:

PCB*	PCB
PCP*	PCP
PNA	PNA
CREOSOTE	CREOSOTE

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer Superior National Insurance Company

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 report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

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

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health 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.

Signature of Contractor

Name (please type) Chuck Kiper

Signature Chuck Kiper

Date 1-24-94

Signature of Site Owner or Operator

X Name (please type) Wannetta Hall

X Signature Wannetta Hall

X Date 1-24-94

rev 12/90

INSTRUCTIONS

General Instructions

* Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.

* Any cutting into tanks requires local fire department approval.

* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
   Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested
   EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
   Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

    a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.

    c) Tanks must be hauled as hazardous waste.

    d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION
    Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

    Material to be sampled - e.g. water, oil, sludge, soil, etc.

    Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

a) The name and responsibilities of the site health and safety officer;

b) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;

c) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

d) Frequency and types of air and personnel monitoring to be used - along with the environmental sampling techniques and instrumentation. Include instrumentation maintenance and calibration methods and frequencies;

e) Specific personal protective equipment and procedures to be used by workers to protect themselves from the identified hazards. Also state the contaminant concentrations in air - or other conditions - which will trigger changes in work or work habits to ensure workers are not exposed to high levels of hazardous chemicals or to other unsafe conditions;

f) Confined space entry procedures (if applicable);

g) Decontamination procedures;

h) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, security guards, etc.);

i) Spill containment and emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;

j) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and

k) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. **A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.**

NOTE: These requirements are excerpts from 29 CFR Part 1910.120, Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN
The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale;

b) North Arrow;

c) Property Lines;

d) Location of all Structures;

e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;

f) Streets;

g) Underground conduits, sewers, water lines, utilities;

h) Existing wells (drinking, monitoring, etc.);

i) Depth to ground water; and

j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT
A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT
The tank closure report should contain the following information:

a) General description of the closure activities;

b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

d) Description of sampling methods;

e) Description of any remedial measures conducted at the time of tank removal;

f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;

g) Chain of custody records;

h) Copies of signed laboratory reports;

i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and

j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240 ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, N METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624 PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**

9. **PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:**

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

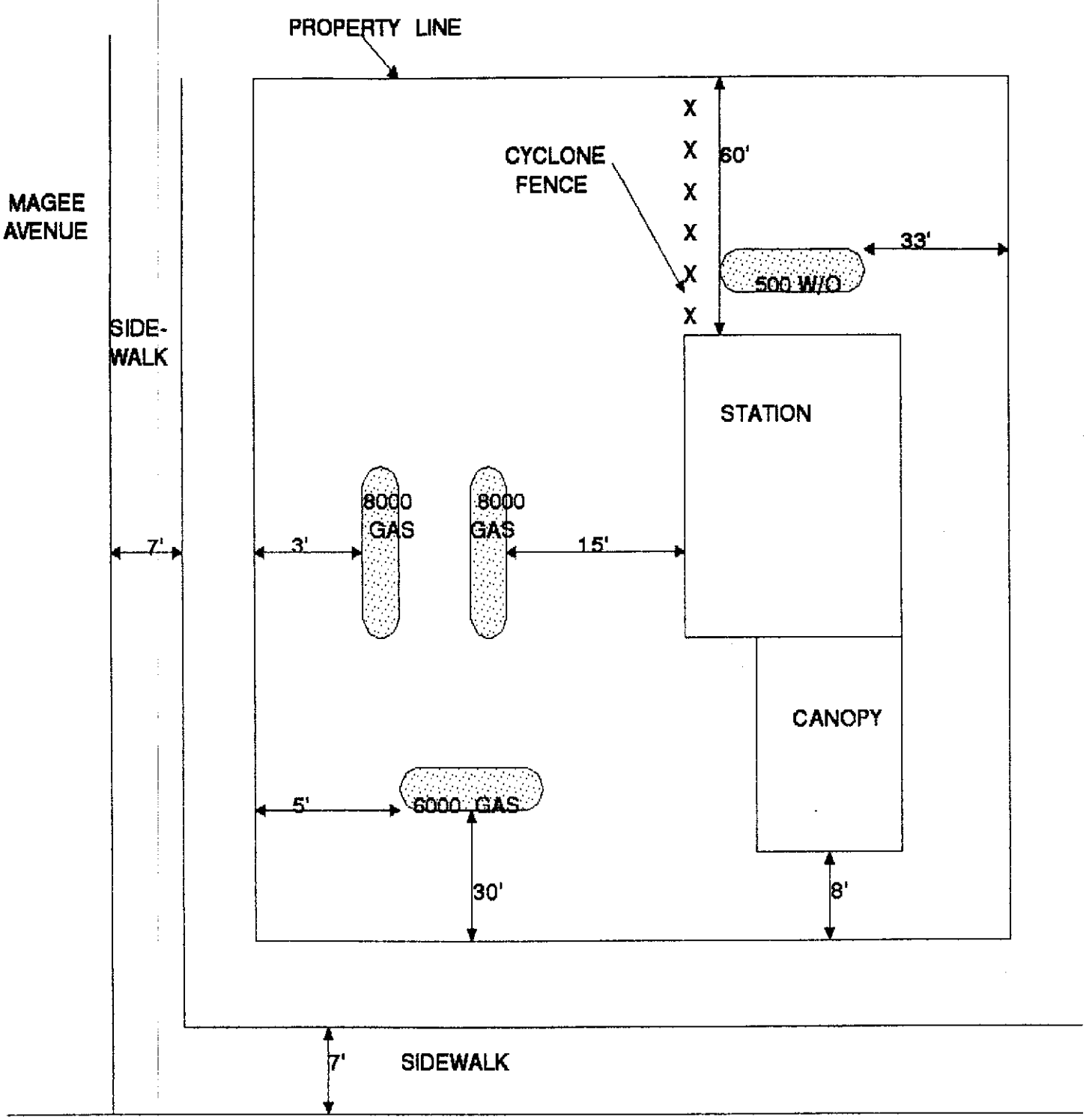
11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal



S E M C O

3600 MAC ARTHUR BLVD
OAKLAND

NOT TO SCALE

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
Acknowledgement of Refund Recipient for Site Account
DEPOSITOR FILLS OUT PER SITE
-- REQUIRED --

The depositor will use this form to acknowledge that the property owner or his or her designee will receive any refund due at the completion of all deposit/refund projects at the site listed below.

SITE NUMBER/ADDRESS:

Site Number

Scooter Wilson Auto Repair
Company Name

3600 MacArthur Blvd.
Street Address

Oakland 94619
City Zip Code

REFUND RECIPIENT-PROPERTY OWNER

Owner's Name

Owner's Address

Owner's City State Zip

I have read the description of the project Deposit/Refund Procedure, and have had an opportunity to ask questions about it. I understand that regardless of who deposits money into the site account, any deposit money remaining at the completion of all projects being conducted at this site will be refunded solely to the property owner or his or her designee.

Chuck Kiper
Signature of Depositor

1-24-94
Date

Chuck Kiper
Depositor Name

SEMCO
Company Name

1741 Leslie Street
Street Address

San Mateo, CA 94402
City / Zip

RETURN FORM TO: Alameda County, Hazardous Materials Div.
80 Swan Way, Rm 200
Oakland, CA 94621-1439
Phone: (510) 271-4320

DR-ACKN; mfk; 8/14/91

STATE OF CALIFORNIA
STATE AND CONSUMER SERVICES AGENCY CONTRACTORS STATE LICENSE BOARD
DEPARTMENT OF
Consumer Affairs

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.

REGISTRAR OF CONTRACTORS

Qualifier: TERRY D. HAMILTON

License No.: 449864

Namestyle: SEMCO * JAMES C. BATEMAN PETROLEUM SERVICES INC.

WITNESS *my hand and official seal this*
25 *day of* JULY, 1988

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.

131-36 (1/88)

A1548

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 listed below.

PRODUCER
R. L. Stewart Ins. Agency
P.O. BOX 1515

OAKDALE, CA. 95361

INSURED
TERRY & SHARON HAMILTON
JAMES C. BATEMAN PETROLEUM
SERVICES, INC, DBA: SEMCO
431 W. HATCH RD.
MODESTO, CA. 95351

COMPANIES AFFORDING COVERAGE
C LETTER A HOME INS CO OF ILLINOIS
O
M LETTER B SUPERIOR NATIONAL INS. CO
P
A LETTER C
N
I LETTER D
E
S LETTER E

This is to certify that 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 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 claims.

COVERAGES

Co Ltr	Type of Insurance	Policy #	Policy Effective	Policy Expiration	Limits
	GENERAL LIABILITY				
A	(X) Commercial GL	SLM9259916	10/1/92	10/1/93	Gen Aggreg $2,000,000
	( ) ( )Claims Made				Prd-C/op Ag $Incl in Gen Ag
	(X)Occurrence				Pers/Adv In $1,000,000
	(X) Owners & Contr				Each Occur $1,000,000
	( )				Fire Damg $ 50,000
	( )				Medical Ex $ 1,000
	AUTOMOBILE LIABILITY				
	( ) Any Auto				CSL $
	( ) All Owned				B.I./Pers $
	( ) Scheduled				B.I./Accid $
	( ) Hired				P.D. $
	( ) Non-Owned				$
	( ) Garage Liab				$
	EXCESS LIABILITY				
	( ) Umbrella Form				Each Occur Aggregate
	( ) O.T. Umbrella				$ $
	WORKERS COMPENSATION				
B	W.C.	WCP31 264-A	4/5/93	4/5/94	STATUTORY
	Employers Liab.				Each Accid $1,000,000
					Dis/Policy $1,000,000
					Dis/Employ $1,000,000
	OTHER				

See Attached

Description of Operations/Locations/Vehicles/Special Items
ALL CALIFORNIA OPERATIONS

CANCELLATION: Should any of the above described policies be cancelled before the expiration date thereof, the issuing company will endeavor to mail 10 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.

NAME AND ADDRESS OF CERTIFICATE HOLDER

COUNTY OF ALAMEDA
80 SWAN WAY, ROOM 200
OAKLAND, CA. 94621

Roger Silva
AUTHORIZED REPRESENTATIVE

ACORD CORPORATION 1988

SITE SAFETY PLAN
FOR
UNDERGROUND STORAGE TANK REMOVAL/CLOSURE

JOBSITE ADDRESS:

3600 MAC ARTHUR BOULEVARD

OAKLAND, CALIFORNIA

JAMES C. BATEMAN PETROLEUM SERVICES, INC.

"dba"
SEMCO
1741 LESLIE STREET
SAN MATEO, CALIFORNIA 94402

1217 S. 7TH STREET
MODESTO, CALIFORNIA 95351

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PAGE NO.

SEMCO has adopted the following Health & Safety Plan and procedures for the removal and/or closure of underground petroleum storage tanks and associated piping. The purpose of this plan is to provide health and safety guidelines to be adhered to while all work is in progress.

All personnel involved with the tank removal or associated activities will have an assigned responsibility. The outlined responsibilities will establish standards for personnel protective wear and safety procedures, and will provide for emergency actions which could arise during project operations.

SCOPE OF WORK

1.0 Scope of Work:

The tanks will be purged of all remaining residues, and these residues will be stored on site in a 55 gallon approved drum until they are hauled away or pumped out for disposal by a certified hazardous materials hauler.

The tanks will be inerted with a minimum of 20 lbs of dry ice per 1000 gallons of tank capacity. More ice will be added if necessary to displace the oxygen in the tank to a concentration level below the OSHA approved lower explosive limit, this will be achieved by using a Gastech 1314. When this level is obtained the tanks will be removed, and samples will be collected per the approved work plan.

1.1 Responsibilities of Other Agencies if Present:

a. The Environmental Health Department is responsible for approval and inspection of procedures, including tank removal, sample procurement and integrity of work plan.

b. The Fire Department is responsible for inspections relative to safe procedures and conditions of the tank prior to removal.

2.0 Hazards, Special Precautions:

2.1 Special Precautions:

During the course of underground storage tank removal, workers could be exposed to petroleum hydrocarbon vapors, liquids, or other wastes. The following precautions will be observed by all individuals engaged in the tank removal activity.

2.1.1 Toxicity Considerations, Petroleum Substances:

All individuals should be aware of appropriate health precautions. When high concentrations of petroleum hydrocarbon vapors are inhaled, symptoms of intoxication may result. These symptoms range from simple dizziness to unconsciousness. Care will be exercised to minimize exposure to these substances when they are present. Avoid skin contact with petroleum substances whenever possible. Use soap and water to remove any petroleum product that contacts skin.

2.1.2 Flammability and Combustibility Consideration:

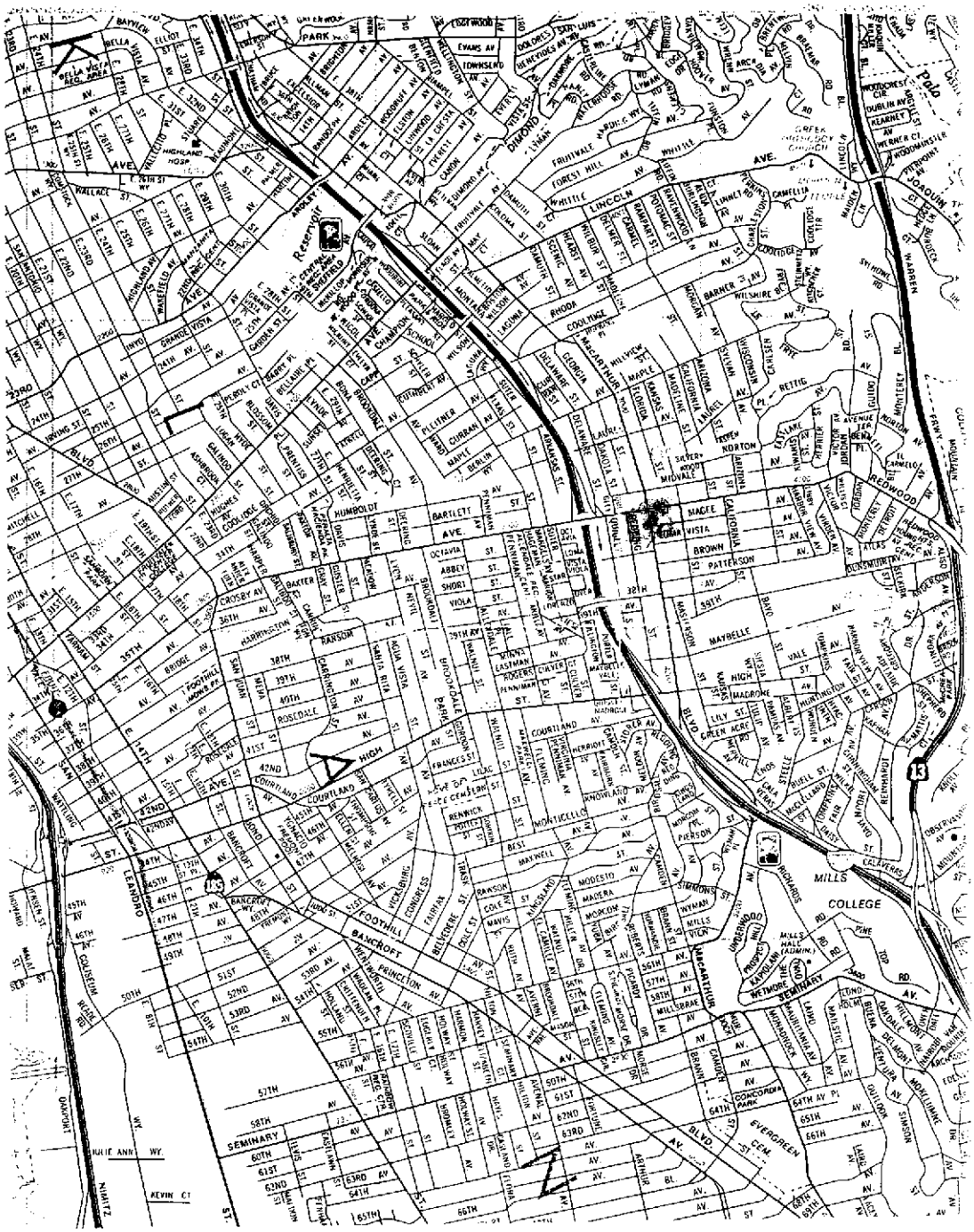
Flammable and combustible vapors are likely to be present in the work area. Precautions will be taken to eliminate all potential sources of ignition to prevent the discharge of static electricity during venting, and to prevent the accumulation of vapors.

2.1.3 Physical Considerations:

During the excavation of underground storage tanks, some physical hazards can be present in the form of large holes, exposed piping, debris piles, and excavation equipment. All workers will be aware of these hazards and take all necessary actions to eliminate accidents. The excavated area will be appropriately marked and barricaded at all times.

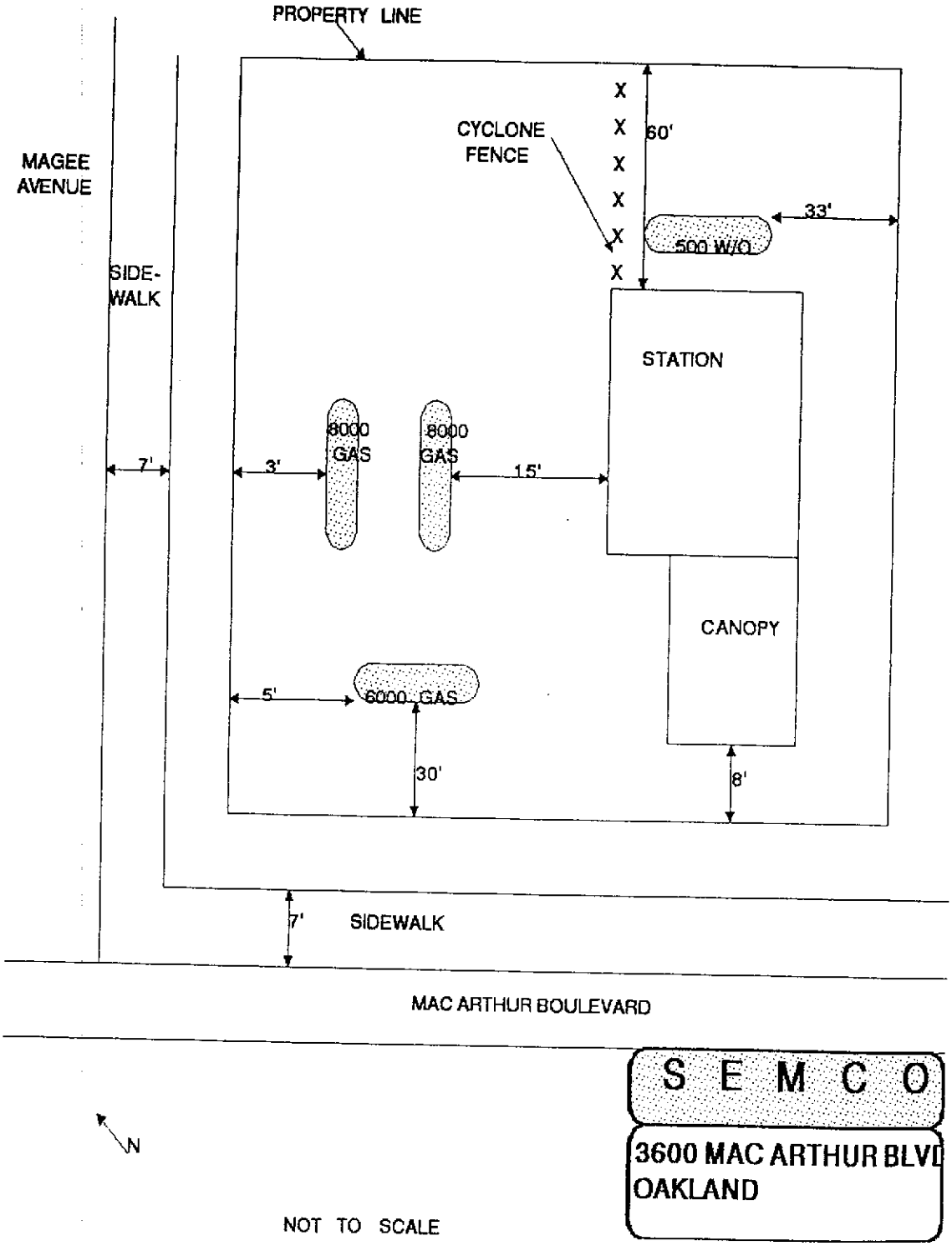
JOBSITE VICINITY MAP

3.0 Jobsite Vicinity Map



SITE MAP

4.0 Site Map



PERSONNEL

5.0 Personnel
SEMCO Employees

5.1 Project Manager

- Manages field operations.
- Ensures the Work Plan is completed on schedule.
- Briefs the field teams on their specific assignments.
- Participates in the preparation of the Site Safety Plan.
- Serves as a liaison with public officials.

5.2 Site Safety Officer

- Implements and enforces the SSP.
- Assures that all on-site personnel have received a copy of the SSP, have read it and understand it.
- Conducts frequent inspections of site conditions, facilities, equipment, and activities to determine if the SSP is adequate and being followed.
- Conducts daily "tailgate" meetings to explain the plan of work for the day and to mention potential hazards of the site.
- Ensures that protective clothing and equipment are properly stored and maintained.
- Knows emergency procedures, excavation routes, and notifies local emergency services when necessary.
- Notifies the Health and Safety Manager of all accidents and injuries that occur on site.

5.3 On-Site Personnel:

- Are required to document their full understanding of the SSP before starting work by signing that they have read the SSP and understand it.
- Complies with the SSP.
- Notifies the SSO of unsafe conditions.
- On-Site employees are held responsible to perform only those tasks for which they believe they are qualified and in their opinion are safe.

LEVEL C:
Safety Glasses or Goggles w/side shields
Hard Hats
Steel Toe Safety Shoes
Half or Full Face Respirator with Organic Vapor Cartridge
Tyvek or Ploy-Coated Tyvek

LEVEL D:
Safety Glasses
Steel Toe Shoes
Hard Hats
Uniform shirt/pants

EMERGENCY SERVICES

6.0 Emergency Services

6.1 Persons to contact in case of emergency:

a. PROJECT MANAGER
Name: Chuck Kiper
Phone: (415) 572-8033
(415) 860-8221 Mobile
(415) 377-8660 Pager

b. CLIENT CONTACT
Name: Wannetta Hall
Phone: (510) 532-9499

c. SITE CONTACT
Name: Chuck Kiper
Phone: (415) 572-8033

d. SITE SAFETY OFFICER
Name: Chuck Kiper
Phone: (415) 572-8033

e. HEALTH & SAFETY COORDINATOR
Name: Milt Tiffin
Phone: (209) 524-9653

6.2 Hospital In Area:
Highland General Hospital (510) 534-8055
1411 E. 31st Street, Oakland, California

6.3 Emergency Routes
See Hospital Route Map, Page 10

6.4 Ambulance Service:
DISPATCH SERVICE DIAL 911

6.5 Fire Prevention:
Alameda Fire Department
(510) 748-4601

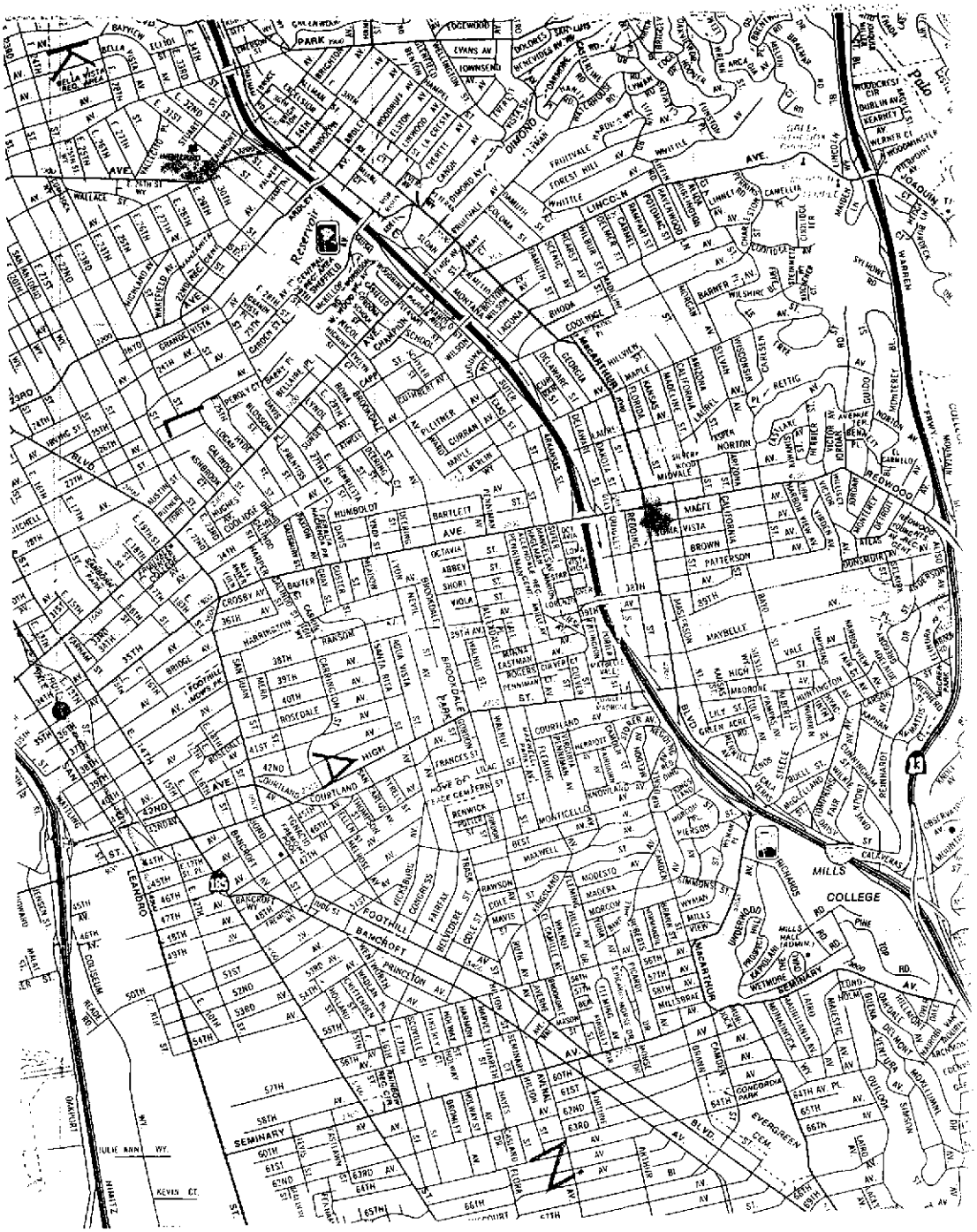
6.6 Fire Department:
DIAL 911

6.7 A First Aid Kit will be on site.

6.8 Barricades:
Job site will be barricaded off and construction tape will be used around working area, when work area is left unattended.

6.9 Fire Extinguishers will be present on site.

7.0 Hospital Route Map



8.0 Contingency Plan:

If an injury occurs, the following action will be taken:

- Medical attention for the injured person immediately.
- Notify the Site Safety Officer.
- Depending on the type and severity of the injury, SEMCO's occupational physician will be notified.
- The injured person's personnel office will be notified.
- An incident report will be prepared. The Site Safety Officer will be responsible for its preparation and submittal to the Health and Safety Director and corporate personnel office within 24 hours.
- The Site Safety Officer will assume charge during a medical emergency.
- EMERGENCY ROUTES--see Hospital Route Map, Page 10

SAFETY EQUIPMENT

9.0 Safety Equipment:

9.1 As a minimum, the following equipment will be on site:

LEL Meter - Gastech 1314
OSHA - Approved First Aid Kit
40BC Fire Extinguisher
Half Face Respirator with Organic Vapor Cartridges

10.0 Safety Training

SEMCO'S field employees have received their certificates of training as required by OSHA-SARA agencies, with refresher courses as needed.

11.0 Medical Monitoring

SEMCO requires all Class I truck drivers to have a mandatory physical once a year. SEMCO supplies health insurance to all employees and administers random and mandatory drug and alcohol testing.

10.0 Signatures & Acknowledgments:

I acknowledge having read and understand the preceding Health & Safety Plan:

Signature	Date	Signature	Date
Signature	Date	Signature	Date
Signature	Date	Signature	Date
Signature	Date	Signature	Date
Signature	Date	Signature	Date
Signature	Date	Signature	Date
Signature	Date	Signature	Date

S E M C O
ENVIRONMENTAL CONTRACTORS & GENERAL ENGINEERING
1741 LESLIE STREET
SAN MATEO, CALIFORNIA 94402

November 24, 1992

Mr. Ron Owcarz
County of Alameda
Environmental Health Department
80 Swan Way, Room 200
Oakland, California 94621

Re: Property at 3600 MacArthur Avenue in Oakland

Dear Ron:

This letter is written to update you regarding the tank removal and status of the above mentioned address.

Mr. Henry Hall, the owner of the above mentioned property, passed away a couple of months ago, and the family has requested that they might be able to delay this project until sometime late this winter or early spring.

Because of the delicate nature of wills, estates and so forth, it is going to require a fair amount of time to put Mr Hall's affairs in order.

We appreciate you assistance in this matter. If you have any questions, please give me a call at my office.

Sincerely,

Chuck Kiper

Chuck Kiper
Vice-President
SEMCO-SAN MATEO

415 - 572-8033

CK:rrk

cc: Wannetta Hall

Wanneta Hall
4414 Fleming Ave.
Oakland, CA
94619

Project Specialist (print) Paul M. Smith 10/10/91

Copy of Previous Permit

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION
80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

Norma / Juliette, 1/25/94
This UST removal was approved in 1991. I suspect what happened is that the tanks never got pulled & now they want to do the removals.

I looked in my dep/ref book. I don't have the dep ref sheet. I suspect a copy which Carolyce could provide to us would be accurate Paul

- Run total lead on analytical samples taken beneath gasoline tanks
- Samples shall be taken underneath the location of each dispenser and at least 20 linear feet of piping
- Stockpiled soils will be sampled from 4 locations & composited in the lab. Soil to be placed back into the tank excavation

UNDERGROUND TANK CLOSURE PLAN
*** * * Complete according to attached instructions * * ***

1. **Business Name** SCOOTER WILSON'S AUTO REPAIR
   Business Owner SCOOTER WILSON
2. **Site Address** 3600 MAC ARTHUR AVENUE
   City OAKLAND **Zip** 94619 **Phone** _____
3. **Mailing Address** 3600 MAC ARTHUR AVENUE
   City OAKLAND **Zip** 94619 **Phone** _____
4. **Land Owner** HENRY HALL
   Address 3600 MAC ARTHUR AVE **City, State** OAKALND, CA **Zip** 94619
5. **Generator name under which tank will be manifested** _____
   HENRY HALL

   EPA I.D. No. under which tank will be manifested CAC 000607544

rev 12/90

REF./ A/C NO. R

COUNTY OF ALAMEDA
OFFICE OF THE AUDITOR-CONTROLLER

DATE: 6 / 19 / 91

№ 592485 PS

MISCELLANEOUS RECEIPT

$1,074.00
DOLLARS

RECEIVED FROM: Henry Hall 3600 MacArthur Ave Oak., CA 94619

FOR: Scooter Wilson
3600 MacArthur Ave OAK, CA 94619

DEPT. NO.: 430-453

RECEIVED BY: Shirley Smith

☐ CASH ☑ PERSONAL/CASHIER'S CHECK/M. O. # 61-165-919650 ☐ OTHER:

110-1 (Rev 10/85) [0134E (08)] 3-Part

Distribution: White - Payor Yellow & Pink - Depart.

ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION
DEPOSIT / REFUND ACCOUNT SHEET

SITE INFORMATION

Scooter Wilson's Auto Repar
3600 Macarthur Ave.
Oakland 94619
Site Contact: Scooter Wilson
Site Phone :

SITE#: 5085
PROJECT#: 5085A
PROJECT TYPE: R
INSP: Paul Smith
ACCT. SHEET PG #: ____

PROPERTY OWNER INFORMATION

Henry Hall 533-2249
3600 Mac Arthur Ave.
Oakland, Ca 94619
Owner Contact:
Owner Phone :
Wanetta 317-0479

CONTRACTOR INFORMATION

Henry Hall
3600 Mac Arthur Ave.
Oakland Ca 94619 #497
Contr. Contact:
Contr. Phone :

Date	Action Taken	Time In	Time Out	Hours Spent/ Depstd	Hour Balnce	Money Spent/ Depositd	Money Balance
_____	Balance from Prev.Page	.....	.....	.....	_____	.....	_____
	Rcpt# U592485						
04/19/91	Deposit of $1,074.00 @ $67/hour			+16.02	+$1,074.00		
9/24/91	review closure & contact Rhonda Sonco	1:00	1:30			33.50	1040.50
10/4/91	2 BILLING						

PROJECT COMPLETED BY : _____

DATE OF COMPLETION : _____ DATE SENT TO BILLING: _____

TOTAL COST OF PROJECT: _____ REFUND AMOUNT: _____ Rev. 4/91

Project Specialist (print) Paul M. Smith 10/10/91

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS DIVISION

80 SWAN WAY, ROOM 200
OAKLAND, CA 94621
PHONE NO. 415/271-4320

- Run total lead on samples taken beneath each gasoline tank
- Samples shall be taken underneath the location of each dispenser + at each 20 lineal feet of piping
- Stockpiled soils will be sampled from 4 locations + composited in the lab/20yd³ if to be placed back into the tank excavation

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 27th Street, Third Floor
Oakland, CA 94612
Telephone: (415) 271-4320

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your 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.

One copy of these accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any change or alteration of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the following required inspections:

____ Removal of Tank and Piping
____ Sampling
____ Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

UNDERGROUND TANK CLOSURE PLAN

*** * * Complete according to attached instructions * * ***

1. **Business Name** SCOOTER WILSON'S AUTO REPAIR

   Business Owner SCOOTER WILSON

2. **Site Address** 3600 MAC ARTHUR AVENUE

   City OAKLAND **Zip** 94619 **Phone** ____

3. **Mailing Address** 3600 MAC ARTHUR AVENUE

   City OAKLAND **Zip** 94619 **Phone** ____

4. **Land Owner** HENRY HALL

   Address 3600 MAC ARTHUR AVE **City, State** OAKALND CA **Zip** 94619

5. **Generator name under which tank will be manifested** HENRY HALL

   EPA I.D. No. under which tank will be manifested CAC 000607544

rev 12/90

c) Tank and Piping Transporter

Name ERICKSON, INC. EPA I.D. No. CAD 009466392

Hauler License No. 019 License Exp. Date 5/31/92

Address 255 PARR BLVD.

City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON, INC. EPA I.D. No. CAD009466392

Address 1555 PARR BLVD.

City RICHMOND State CA Zip 94801

11. Experienced Sample Collector

Name CHUCK KIPER

Company SEMCO

Address 1741 LESLIE STREET

City SAN MATEO State CA Zip 94402 Phone 572-8033

12. Laboratory

Name SUPERIOR ANALYTICAL

Address 1555 BURKE UNIT I

City SAN FRANCISCO, State CA Zip 94124

State Certification No. #1332 & 319

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

If yes, describe.

6. Contractor SEMCO

Address 1741 LESLIE STREET

City SAN MATEO , CALIFORNIA 94402 Phone 572-8033

License Type A,B,C-61/D-40 ID# 449864

7. Consultant N/A

Address

City Phone

8. Contact Person for Investigation

Name CHUCK KIPER Title VICE-PRESIDENT

Phone 572-8033

9. Number of tanks being closed under this plan 4

Length of piping being removed under this plan

Total number of tanks at facility 4

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

** Underground tanks are hazardous waste and must be handled ** as hazardous waste

a) Product/Residual Sludge/Rinsate Transporter

Name ALLIED PETROLEUM EPA I.D. No. CAD98065675128

Hauler License No. 1168 License Exp. Date 4/30/92

Address P.O. BOX 193

City HILMAR State CA Zip 95327

b) Product/Residual Sludge/Rinsate Disposal Site

Name RAMOS ENVIRONMENTAL EPA I.D. No. CAD044003556

Address 1515 S. RIVER

City WEST SACRAMENTO State CA Zip

14. Describe methods to be used for rendering tank 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 plugged.

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
8000	GASOLINE	SOIL/WATER	2FEET BELOW EACH END OF TANK
8000	"	"	"
6000	"	"	"
500	WASTE OIL	"	2 FEET BELOW FILL END OF TANK

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated) 15-35 cu.yds.	Sampling Plan SOIL SAMPLES TAKEN FROM EXCAVATION WILL BE COLLECTE PLACED IN BRASS TUBES, SEALED WITH FOIL, TEFLON CAPS, SEALED WITH APPROVED TAPE, PLACED ON ICE, TRANSPORTED TO STATE CERTIFIED LAB, UNDER CHAIN OF CUSTODY AND ANALYZED FOR THE CONSTITUENTS OF THE TANK.

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

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.

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G BTX&E	GCFID(5030) 602, 624 or 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G TPH D O & G BTX&E CL HC	GCFID(5030) GCFID(3510 5520 C & F 602, 624 or 8260 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	 PCB PCP PNA CREOSOTE	

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

18. Submit Worker's Compensation Certificate copy

Name of Insurer FAIRMONT INSURANCE COMPANY

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 report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

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

I declare that to the best of my knowledge and belief 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 an approval from the Department of Environmental Health 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.

Signature of Contractor

Name (please type) CHUCK KIPER

Signature Chuck Kiper

Date 6/18/91

Signature of Site Owner or Operator

Name (please type) henry hall

Signature Henry Hall by Rhonda Kiper

Date 6/18/91

rev 12/90

INSTRUCTIONS

General Instructions

* Three (3) copies of this plan plus attachments and deposit must be submitted to this Department.
* Any cutting into tanks requires local fire department approval.
* One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.

Item Specific Instructions

2. SITE ADDRESS
   Address at which closure is taking place.

5. EPA I.D. NO. under which the tanks will be manifested
   EPA I.D. numbers may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
   Prime contractor for the project.

10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES

    a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.

    c) Tanks must be hauled as hazardous waste.

    d) This is the place where tanks will be taken for cleaning.

15. TANK HISTORY AND SAMPLING INFORMATION
    Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

    Material to be sampled - e.g. water, oil, sludge, soil, etc..

    Location and depth of samples - e.g. beneath the tank a maximum of two feet below the native soil/backfill interface, side wall at the high water mark, etc.

17. SITE HEALTH AND SAFETY PLAN

A site specific Health and Safety plan must be submitted. We advocate the site health and safety plan include the following items, at a minimum:

a) The name and responsibilities of the site health and safety officer;

b) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;

c) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;

d) Frequency and types of air and personnel monitoring to be used - along with the environmental sampling techniques and instrumentation. Include instrumentation maintenance and calibration methods and frequencies;

e) Specific personal protective equipment and procedures to be used by workers to protect themselves from the identified hazards. Also state the contaminant concentrations in air - or other conditions - which will trigger changes in work or work habits to ensure workers are not exposed to high levels of hazardous chemicals or to other unsafe conditions;

f) Confined space entry procedures (if applicable);

g) Decontamination procedures;

h) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, security guards, etc.);

i) Spill containment and emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;

j) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and

k) Page for employees to sign indicating they have read and will comply with the site health and safety plan.

The safety plan must be distributed to all employees and contractors working in hazardous waste operations on site. **A complete copy of the site health and safety plan along with any standard operating procedures shall be on site and accessible at all times.**

NOTE: These requirements are excerpts from 29 CFR Part 1910.120, Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN
The plan should consist of a scaled view of the facility at which the tank(s) are located and should include the following information:

a) Scale;

b) North Arrow;

c) Property Lines;

d) Location of all Structures;

e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;

f) Streets;

g) Underground conduits, sewers, water lines, utilities;

h) Existing wells (drinking, monitoring, etc.);

i) Depth to ground water; and

j) All existing tanks and piping in addition to the ones being pulled.

20. DEPOSIT
A deposit, payable to Alameda County for the amount indicated on the Alameda County Underground Storage Tank Fee Schedule, must accompany the plans.

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from our office and from the San Francisco Bay Regional Water Quality Control Board (415/464-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT
The tank closure report should contain the following information:

a) General description of the closure activities;

b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;

c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;

d) Description of sampling methods;

e) Description of any remedial measures conducted at the time of tank removal;

f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;

g) Chain of custody records;

h) Copies of signed laboratory reports;

i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and

j) Tabulation of the volume and final destination of all non-manifested contaminated soil hauled offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624
	ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	 PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.

2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.

3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.

4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.

5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.

6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).

7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).

8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. **Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.**

9. **PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:**

	SOIL PPM	WATER PPB
TPH G	1.0	50.0
TPH D	1.0	50.0
BTX&E	0.005	0.5
O & G	50.0	5,000.0

Based upon a Regional Board survey of Department of Health Services Certified Laboratories, the Practical Quantitation Reporting Limits are attainable by a majority of laboratories with the exception of diesel fuel in soils. The Diesel Practical Quantitation Reporting Limits, shown by the survey, are:

ROUTINE	MODIFIED PROTOCOL
≤ 10 ppm (42%)	≤ 10 ppm (10%)
≤ 5 ppm (19%)	≤ 5 ppm (21%)
≤ 1 ppm (35%)	≤ 1 ppm (60%)

When the Practical Quantitation Reporting Limits are not achievable, an explanation of the problem is to be submitted on the laboratory data sheets.

10. LABORATORY DATA SHEETS are to be signed and submitted and include the laboratory's assessment of the condition of the samples on receipt including temperature, suitable container type, air bubbles present/absent in VOA bottles, proper preservation, etc. The sheets are to include the dates sampled, submitted, prepared for analysis, and analyzed.

11. IF PEAKS ARE FOUND, when running samples, that do not conform to the standard, laboratories are to report the peaks, including any unknown complex mixtures that elute at times varying from the standards. Recognizing that these mixtures may be contrary to the standard, they may not be readily identified; however, they are to be reported. At the discretion of the LIA or Regional Board the following information is to be contained in the laboratory report:

    The relative retention time for the unknown peak(s) relative to the reference peak in the standard, copies of the chromatogram(s), the type of column used, initial temperature, temperature program is C/minute, and the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbon atoms, diesel and jet fuel (kerosene) standard ≤ 50 carbon atoms. It is not necessary to continue the chromatography beyond the limit, standard, or EPA/DHS method protocol (whichever time is greater).

EPILOGUE

ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen content in the fuel and thereby decrease undesirable emissions (about four percent with MTBE). MTBE and ethanol are, for practical purposes, soluble in water. The removal

from the water column will be difficult. Other compounds are being added by the oil companies for various purposes. The refinements for detection and analysis for all of these additives are still being worked out. If you have any questions about the methodology, please call your Regional Board representative.

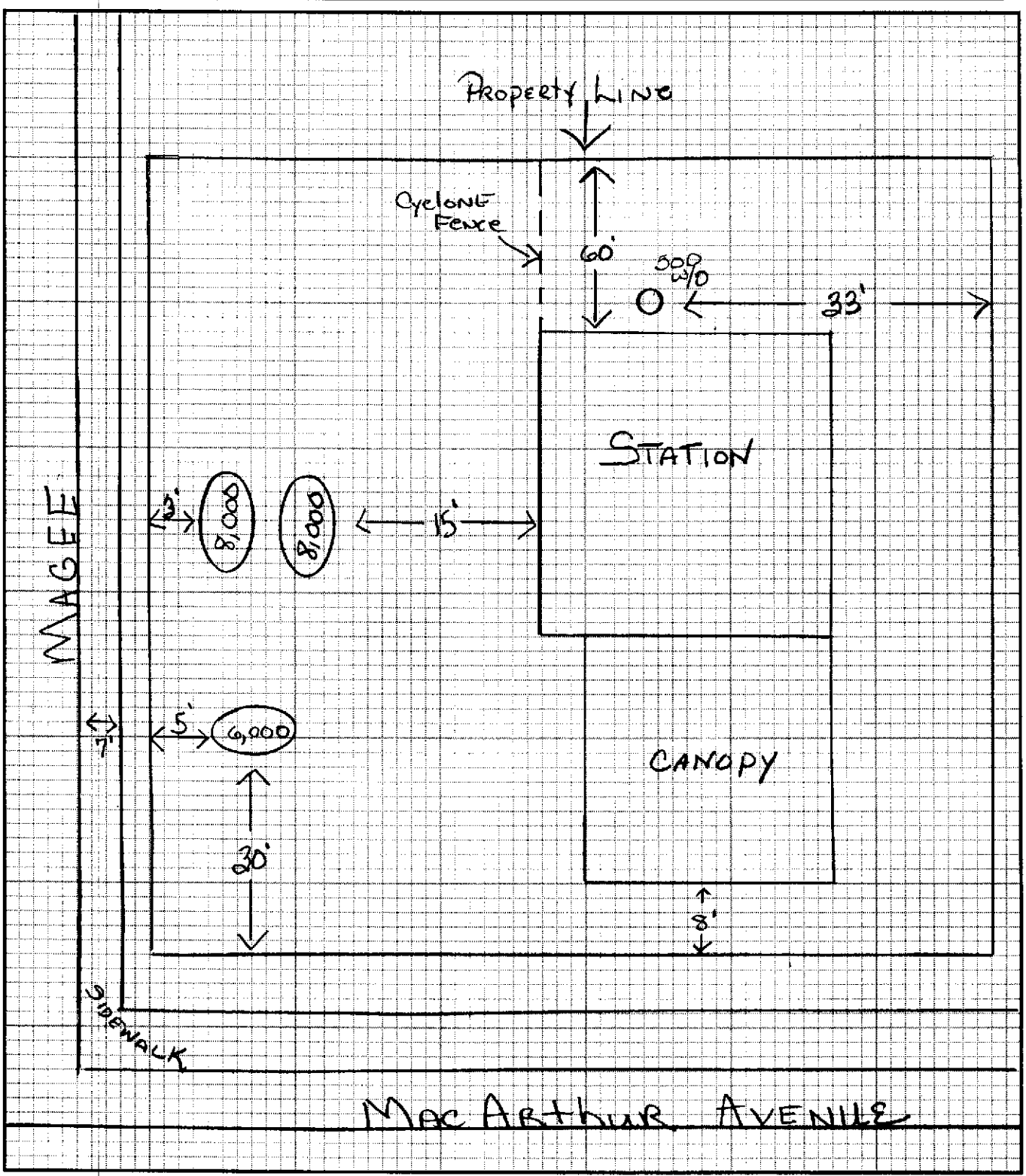
SEMCO
Oil Heating Engineering Division
1806 Leslie Street
San Mateo, Calif. 94402
(415) 572-8033

License No. 449864
A, B, & C-61

SITE PLAN

SEMCO
General & Engineering Contractors
431 W. Hatch Rd.
Modesto, Calif. 95351
(209) 524-9653

SUBMITTED TO:	DESCRIPTION OF JOB:
Alameda County	Job Bottom Worm Auto Repair
Oakland Fire Dept	Address 3600 MacArthur Ave
	City Oakland State CA
	Phone Date



CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY): 9/25/90

PRODUCER

R. L. Stewart Ins. Agency
P.O. Box 1515
Oakdale, Ca. 95361

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.

INSURED

Semco
431 W. Hatch Rd.
Modesto, Ca. 95351

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A: American Star Ins. Co.

COMPANY LETTER B: Fairmont Ins. Co.

COMPANY LETTER C:

COMPANY LETTER D:

COMPANY LETTER E:

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					
A	X COMMERCIAL GENERAL LIABILITY	AMS1-509826	10/1/90	10/1/91	GENERAL AGGREGATE	$ 1,000,000
	CLAIMS MADE X OCCUR.				PRODUCTS-COMP/OP AGG.	$ 1,000,000
	OWNER'S & CONTRACTOR'S PROT.				PERSONAL & ADV. INJURY	$ 1,000,000
					EACH OCCURRENCE	$ 1,000,000
					FIRE DAMAGE (Any one fire)	$ 50,000
					MED. EXPENSE (Any one person)	$ 5,000
	AUTOMOBILE LIABILITY					
	ANY AUTO				COMBINED SINGLE LIMIT	$
	ALL OWNED AUTOS					
	SCHEDULED AUTOS				BODILY INJURY (Per person)	$
	HIRED AUTOS					
	NON-OWNED AUTOS				BODILY INJURY (Per accident)	$
	GARAGE LIABILITY					
					PROPERTY DAMAGE	$
	EXCESS LIABILITY					
	UMBRELLA FORM				EACH OCCURRENCE	$
	OTHER THAN UMBRELLA FORM				AGGREGATE	$
	WORKER'S COMPENSATION				STATUTORY LIMITS	
B	AND	80480741	9/5/90	9/5/91	EACH ACCIDENT	$ 1,000,000
	EMPLOYERS' LIABILITY				DISEASE—POLICY LIMIT	$ 1,000,000
					DISEASE—EACH EMPLOYEE	$ 1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

All California Operations

CERTIFICATE HOLDER

COUNTY OF ALAMEDA

CANCELLATION

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AUTHORIZED REPRESENTATIVE

Roger Silani

SEMCO

HEALTH & SAFETY

PLAN

HEALTH MONITORING AND SAFETY PROGRAM

To assure the health and safety of employees involved in hazardous waste operations, Semco Inc. has developed and implemented a Health and Safety Program.

This plan is based on Standard Operating Safety Guides (USEPA) and The Occupational Safety and Health Guidance Manual for Hazardous Waste Site Activities (NIOSH/OSHA/USGC/EPA).

Semco inc. employees must receive health and safety training prior to commencing work at sites where hazardous materials may be present and will be provided with periodic follow-up training as appropriate. Health and Safety training will include;

* Health Monitoring Program

* Review of General Chemical & Mechanical Dangers

* Emergency Response

* Decontamination

* Documentation and Record Keeping

* Updating of Health and Safety Plan

* Reference Guides for Hazardous Materials

When appropriate, a site-specific safety plan will be implemented and will include the following:

* Site history

* Inventory of known chemicals (updated as possible)

* Project organization

* Work Plan review

* Project documentation

* Review of site safety rules (site safety rules will be updated as new information is available or after an accident of implementation of contingency plan)

* Review of decontamination procedures

* Proper use and care of personal protective equipment

* Proper calibration and use of monitoring equipment

* Emergency response procedures

1.0 HEALTH MONITORING PROGRAM

All drilling personnel and field staff must be enrolled in the Semco Inc. Health Monitoring Program, developed in conjunction with Industrial Medical Clinics of Anaheim, CA. This program consists of an initial medical examination to establish the employee's general health profile and provides important baseline laboratory data for comparative study. The scope of the initial comprehensive physical examination and laboratory testing routine is detailed in Table 1-0. Follow-up examinations are completed for all personnel enrolled in the health monitoring program on a semi annual basis, or more frequently if project assignments warrant testing following specific field activities. The level of potential exposure that Semco personnel are subjected to in carrying out hazardous waste work assignments are recorded by the individual and reviewed weekly by the site supervisor. The California Poison Control Center maintains a comprehensive reference library containing the current information concerning the carcinogenic, mutagenic, teratogenic and toxic characteristics of hazardous wastes.

1.1 REVIEW OF EXPOSURE SYMPTOMS

Symptoms of exposure to hazardous materials for each site will be reviewed in order to indicate to personnel the recognized signs of possible exposure to those materials. This information will be supplemented with a discussion of the need for objecting in the personal health assessment to account for normal reaction to stressful situations. The Site Safety Officer (the lead driller) will be watchful for outward evidence of changes in worker health. These outward symptoms may include skin irritations, skin discoloration, eye irritability, reduced libido, intolerance to heat or cold, or loss of appetite. Employees will routinely be asked to assess their general state of health during individual projects. At the end of each week, employees will briefly describe minor injuries and chemical experience (exposure potential at each job site). This description will be turned in with time records, reviewed by the corporate safety officer and filed in the employees medical file.

TABLE 1-0

HEALTH MONITORING PROGRAM
INITIAL EXAMINATION

Physical Examination
* medical history survey
* medical examination
* vision; near and distance vision, color vision
* hearing; audiometry
* radiologic: PA:LAT
* electrocardiogram: 12 lead
* spirometry

Lab Studies

* hematology
  - red blood count
  - white blood count
  - hemoglobin
  - hematocrit
  - platelet
  - indices
  - sedimentation rate
* blood chemistry
  - SMA 17
  - electrolytes
  - creatinine
  - SGPT
  - carbon dioxide
  - cholesterol
  - serum iron
- urinanalysis
- Papanicolaou
- cholinesterase level
- thyroid function test T3/T4

2.0 REVIEW OF GENERAL CHEMICAL AND MECHANICAL DANGER

A set of standard onsite safety practices will be enforced during site activities to reduce the risks associated with handling contaminated materials and dangers inherent with working near heavy machinery. These safety practices are divided into three categories: personal precautions, rig safety and general procedures and operations.

2.1 PERSONAL PRECAUTIONS

2.1.1 Any practice which increases the probability of hand-to-mouth transfer and ingestion of contaminated material will be prohibited in any area designated contaminated. Prohibited activities include eating, drinking, chewing gum or tobacco and smoking.

2.1.2 Hands and face will be thoroughly washed upon leaving the work area and before eating, drinking or any other activities.

2.1.3 Any excess facial hair which interferes with proper fit of the mask to face seal will be prohibited on personnel required to wear respirator protection. (while respirators are not typically required, work will be prepared to upgrade to Level "C" protection requiring the use of respriators.)

2.1.4 Unnecessary contact with contaminated or suspected contaminated surfaces will be avoided. Workers will be instructed to avoid walking through puddles, mud, or other discolored surfaces: kneeling on the ground; and leaning, sitting, or placing equipment on drums, containers, vehicles or the ground.

2.1.5 Medicine and alcohol can increase adverse effect from exposure to toxic chemicals. Therefore, prescribed medication will not be taken by personnel during field activities. Also, alcoholic beverage intake will not be tolerated immediately before or during field work.

2.1.6 The effects of heat stress in all personnel will be monitored by the Health and Safety Officer. Appropriate measures will be taken to remove any potential victim of heat stress from the work area, provide cooling to the body and provide plenty of liquids to replace body fluids.

2.2 RIG SAFETY

Semco, Inc. has incorporated the National Drilling Federation's (NDF/DCDMA/NDCA) "Drilling Safety Guide" as our mechanical hazards and rig safety guide. This booklet is required reading for all field personnel.

2.3 GENERAL PROCEDURES AND OPERATIONS

2.3.1 Entrance and exit to the site will be planned and emergency escape routes will be determined. Before drilling begins a working phone will be located and the most expeditious route to a hospital established. Site Specific Hazards will be discussed and the clients safety requirements will be adopted. Personnel will practice any unfamiliar procedures prior to performing them in the field. The number of personnel and pieces of equipment in the work area will be minimized to the extent that it compromises the effectiveness of site operations. Procedures for leaving a contaminated work area will be established prior to going onsite. Work areas and decontamination procedures will be established based on site conditions.

2.3.2 LEVELS OF PROTECTION

The level of personnel protective equipment required shall be determined by the type and levels of waste or spill material present at the site where project personnel may be exposed. In situations where the types of waste or spill material on-site are unknown or the hazards are not clearly established or the situation changes during onsite activities, the Site Safety Officer must make a reasonable determination of the level of protection that will assure the safety of drilling personnel until the potential hazards have been determined precisely through monitoring, sampling, informational assessment, or other reliable methods. Once the hazards have been determined, protective levels commensurate with the hazards shall be employed. Protection levels will be continuously evaluated to reflect any new information acquired.

The levels of protection utilized by SEMCO INC. are presented below:

Level A - Level A protection must be selected when the Site Safety Officer makes a reasonable determination that the highest available level of both respiratory and skin and eye contact protection is needed. It should be noted that while Level A provides maximum available protection, it does not protect against all possible hazards. Consideration of the heat stress that can arise form wearing Level A protection should also enter into the subtask leaders dicision. (Comfort is not a decision factor, but heat stress will influence work rate, scheduling, and other work practices.)

Level B - The Site Safety Officer must select Level B protection when the highest level of respiratory protection is needed, but hazardous material exposure to the few unprotected areas of the body (i.e. the back of the neck) is unlikely.

Level C - The Site Safety Officer may select Level C when the required level of respiratory protection is known, or reasonably assumed to be, not greater than the level of protection afforded by full face air purifying respirators; and hazardous materials exposure to the few unprotected areas of the body. Level C requires carrying an emergency escape respirator.

Level D - Level D is the basic work uniform. Investigators and response personnel must not be permitted to work in civilian clothes. An emergency escape respirator may be required

Respiratory protection criteria and suitable protection gear are summarized in Table 2-1. Fit testing of safety equipment will be an important part of establishing adequate respiratory and dermal protection. Fit testing will be accomplished prior to site explorations and each individual will be assigned a fitted respirator for the duration of the project. These will be tagged for identification.

It should be recognized that most situations require a different combination of respiratory and dermal protective gear, e.g.. where no splash protection is required but a high respiratory hazard is present. The site Safety Officer may elect a modification of the above.

TABLE 2-1
PROTECTIVE GEAR
(AIR QUALITY LEVELS IN PPM)

	Level D	Level C	Level B	Level A
Air Quality Above Background	0	0-5	5-500	500-1000
Respirator Type*	Escape	Full Face + Escape	SCBA	SCBA
Clothing				
o Boots	*	*	*	*
o Safety glasses or equivalent	*	*	*	
o Hard hat	*	*	*	
o Gloves, inner and outer	*	*	*	*
o Booties		*	*	*
o Coveralls	*	*	*	
o Chemical protective coveralls		*	*	
o Totally encapsulated suit				*

* Use of a respirator is allowed only where identification or organic vapor constituents has occurred and appropriate respirator cartridges have been obtained.

3.0 EMERGENCY RESPONSE

3.1 ON-SITE FIRST AID

All of Semco, Inc.'s Drill Rigs will be equipped with the following items at all times:

- an industrial first aid kit
- 2 ELSA 10 minute supplied Air Escape Mask
- 3 Half Mask respirators
- 3 Full Face respirators
- 10 pair Cartridges TC-21C-287 (organic vapors)
- 10 pair Cartridges TC-23C-450 (organic vapors, acid gases)
- 3 hard hats
- 5 safety glasses
- 30 pair disposable gloves
- 10 pair butyl rubber gloves
- 10 chem resist coveralls (coated Tyvek)
- 3 pair rubber boots with steel toes
- 2 fire extinguishers (co 2)
- 1 eye wash station (portable)

3.1.1 At least one person qualified to perform first aid will be present onsite at all times during work activity. This person will have earned a certificate in first aid training from the American Red Cross or will have received equivalent training.

3.1.2 Transportation to Emergency Treatment

A vehicle will be available at all times for use in transporting personnel to the hospital. Hospital routes shall be discussed prior to onsite activity.

3.1.3 Contingency Planning

Prior to commencement of onsite activities, field personnel will review safety considerations with the Site Safety Officer. The Site safety Officer is responsible for adherence to the designated safety precautions and for adherence to the designated safety precautions and assumes the role of SEMCO,INC'S on site coordinator with the client in an emergency response situation.

3.2 POTENTIAL HAZARDS

The potential hazards associated with hazardous waste site investigation included 1) accidents; 2) contact, inhalation or ingestion of hazardous materials; 3) explosion; and 4) fire.

3.2.1 Accidents

Accidents must be handled on a case by case basis. Minor cuts, bruises, muscle pulls, etc., will still allow the injured person to undergo reasonable normal decontamination procedures prior to receiving direct first aid. More serious injuries may not permit complete decontamination procedures to be undertaken, particularly if the nature of the injury is such that the victim should not be moved. The nature and degree of surface contamination at a site is generally low enough that emergency vehicles could reach the victim on site without undue hazard.

3.2.2 Contact and/or Ingestion of Hazardous Materials

Properly prescribed and maintained protective clothing and adherence to established safety procedures are designed to minimize these hazards. however, it is still a possibility that contact or ingestion of materials may occur. One possibility for contamination is the puncture of a buried drum of liquid during drilling operations which might cause the random distribution of the drum contents. Standard first aid procedures should be followed. The drilling rig will have a tank of water which may be useful in some circumstances, particularly to flush off any exposed skin areas. Eye wash bottles will also be maintained at the site in case of emergencies. In cases of ingestion or other than minor contact with known substances, the Poison Control Center and local hospital should be contacted and the victim brought there immediately for further treatment and observation.

3.2.3 Explosion

The drilling crew should be keenly aware of combustible gas meter readings and withdraw at an indication of imminently hazardous conditions. The detection of such conditions shall be reported to local agencies for potential execution of the evacuation plan should the situation be assessed as warranting such response.

3.2.4 Fire

The combustible gas meter will also warn of imminent fire hazards at borings. The greatest fire hazard at the site should be recognized as handling the methanol used for decontamination. No smoking or open flames are allowed in this area. Carbon Dioxide fire extinguishers will be kept at the drilling rig, and the decontamination area/field office. The Fire Department, previously informed of site activities, will be called as needed.

3.3 EVACUATION RESPONSE LEVELS

Evacuation responses will occur at three levels: (1) withdraw from immediate work area (100+ feet upwind); (2) site evacuation; (3) evacuation of surrounding area. Anticipated conditions which might require these responses are described below:

Withdrawal up-Wind (100 or more feet)

- Sensing ambient air conditions as containing greater contaminant concentrations than guidelines allow for the type of respiratory protection being worn. The work party may return upon donning greater respiratory protection and/or assessing the situation as transient or past.

- Breach in protective clothing or minor accident. The party may return when tear or other malfunction is repaired and first aid or decontamination has been administered.

3.5.1 Site Evacuation:
Upon determination of conditions warranting site evacuation, the work party will proceed upwind of the borehole and notify the security force, Site Safety Officer and the field office of site conditions. If the decontamination area is upwind and greater than 500 feet from the borehole, the crew will pass quickly through decontamination to remove contaminated outer suits. If the hazard is toxic gas, respirators will be retained. The crew will proceed to the field office to assess the situation. There the respirators may be removed (if the PI meter indicates an acceptable condition). As more facts are determined from the field crew, these will be relayed to the appropriate agencies.

3.5.2 Evacuation of Surrounding Area

When the Site Manager determines that conditions warrant evacuation of downwind residences and commercial operations, the local agencies will be notified and assistance requested. Designated onsite personnel will initiate evacuation of the immediate off site area without delay.

3.6 TRAINING

The attached matric (Figure 3-1) indicated training received by on site personnel. All personnel should become familiar with this matrix to minimize response times.

4.0 DECONTAMINATION

4.1 PERSONNEL DECONTAMINATION PROCEDURE

A decontamination procedure will be carried out by all personnel leaving hazardous waste sites. Under no circumstances (except emergency evacuation) will personnel be allowed to leave the site prior to decontamination. Procedures for removal of protective clothing are as follows:

- o Drop tools, monitors, samples and trash at designated drop stations. These will be plastic containers or drop sheets.
- o Step into designated shuffle pit area and scuff feet to remove gross amounts of dirt from outer boots. If necessary, wash boots down with clear water in designated wash pit area.
- o Remove tape from boots and remove boots. Discard in drum container.
- o Remove outer gloves and place in container.
- o Remove hard hat and respirator and hang in the designated area.
- o Remove coveralls and discard in container.
- o Remove inner gloves and discard in container.
- o If the site required utilization of a decontamination trailer, all personnel would also shower before leaving the site at the end of the work day.

Note: Disposable items (coverall, inner gloves, and overboots) will be changed on a daily basis unless there is reason for changing sooner. Dual respirator canisters will be changed weekly unless more frequent changes are deemed appropriate by site surveillance data or personnel assessment.

A water hose and/or designated wash area will be available for wash down and cleaning purposes.

A schematic of a typical decontamination area is shown in Figure 4-1.

4.2 EQUIPMENT DECONTAMINATION

Equipment to be decontaminated during the project may include: (1) drilling rig and tools' (2) sample containers; (3) monitoring equipment; and (4) respirators.

All decontamination will be done by personnel in protective gear appropriate for the level of decontamination, determined by the Site Safety Officer. The decontamination work tasks will be split or rotated among support and work crews. Decontamination procedures within the trailer (if used) should take place only after other personnel have cleared the "hot area", moved to the clean area and the door between the two areas closed.

Miscellaneous tools and samplers will be dropped into a plastic pail, tub or other container. They will be brushed off and rinsed (outside, if possible) and transferred into a second pail to be carried to further decontamination stations. They will be washed with a trisodium phosphate or detergent solution, rinsed with acetone or methanol, rinsed with a trisodium phosphate or detergent solution and finally rinsed with clean water.

4.2.1 Drilling Rig and Tools

It is possible that the drill rigs will be contaminated during test pit/borehole activities. They will be cleaned with high pressure water or portable high pressure steam followed by soap and water wash and rinse. Loose material will be removed by brush.

4.2.2 Sample Containers

Exterior surfaces of sample bottles will be decontaminated prior to packing for transportation to the analytical laboratory. Sample containers will be wiped clean and placed in individual Zip-Loc bags at the sample site. It will be difficult to keep the sample containers completely clean. The samples will be further cleaned if necessary and transferred to a clean carrier and the sample identifies noted and checked off against the chain-of-custody record. The samples, now in a clean carrier, will be stored in a secure area prior to shipment.

4.2.3 Monitoring Equipment

Monitoring equipment will be protected as much as possible from contamination by draping, masking or otherwise covering as much of the instruments as possible with plastic without hindering the operation of the unit. The HNU meter, for example, can be placed in a clear plastic bag which allows reading of the scale and operation of the knobs. The HNU sensor can be partially wrapped, keeping the sensor tip and discharge port clear.

The contaminated equipment will be taken from the drop area and the protective coverings removed and disposed of in the appropirate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe and the used wipers discarded. The units will then be taken inside in a clean plastic tub, wiped off with damp disposable wipes and dried. The units will be checked, standardized and recharged as necessary for the next day's operation. They will then be covered with new protective coverings.

4.2.4 Respirators

Respirators will be decontaminated daily. Taken from the drop area, the masks will be disassembled, the cartridges set aside and the rest placed in a cleansing solution. (Parts will be precoded, e.g., #1 on all parts of mask #1). After an appropriate time within the solution, the parts will be removed and rinsed off with tap water. The old cartridges will be marked to indicate length of usage and will be discarded into the contaminated trash container for disposal when considered spent. In the morning the masks will be re-assembled and new cartridges installed if appropriate. Personnel will inspect their own masks to be sure of proper readjustment of straps for proper fit.

5.0 DOCUMENTATION AND RECORD KEEPING

Samples of field activity documentation forms are attached. Minimum documentation consists of:

- o daily field record kept by individuals
- o hazardous site surveillance record kept by Site Safety Officer
- o chain-of-custody records and lab results of samples collected
- o personal hazardous material exposure record

The Site Safety Officer is also responsible for immediate notification of SEMCO Inc's Health and Safety Coordinator in the event of personal injury.

6.0 UPDATING OF HEALTH AND SAFETY PLAN

Each individual involved in field operations is responsible for maintaining weekly safety sheets. If any deficiency is encountered in the Health and Safety Plan, a report will be prepared and forwarded to the Health and Safety Coordinator. The Site Safety Officer will immediately initiate necessary changes to improve protection of field staff.

ACORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY): 9/25/91

PRODUCER

R. L. Stewart Ins. Agency
P.O. Box 1515
Oakdale, Ca. 95361

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Modesto, Ca. 95351

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A	GENERAL LIABILITY X COMMERCIAL GENERAL LIABILITY CLAIMS MADE X OCCUR. OWNER'S & CONTRACTOR'S PROT.	AMS1-519725	10/1/91	10/1/92	GENERAL AGGREGATE PRODUCTS-COMP/OP AGG. PERSONAL & ADV. INJURY EACH OCCURRENCE FIRE DAMAGE (Any one fire) MED. EXPENSE (Any one person)	$ 1,000,000 $ 1,000,000 $ 1,000,000 $ 1,000,000 $ 50,000 $ 5,000
	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS GARAGE LIABILITY				COMBINED SINGLE LIMIT BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE	$ $ $ $
	EXCESS LIABILITY UMBRELLA FORM OTHER THAN UMBRELLA FORM				EACH OCCURRENCE AGGREGATE	$ $
B	WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY	WCP80480741	9/5/91	9/5/92	STATUTORY LIMITS EACH ACCIDENT DISEASE—POLICY LIMIT DISEASE—EACH EMPLOYEE	$ 1,000,000 $ 1,000,000 $ 1,000,000
	OTHER					

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS: All California Operations

CERTIFICATE HOLDER

County of Alameda
80 Swan Way, Room 200
Oakland, Ca. 95621

CANCELLATION

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AUTHORIZED REPRESENTATIVE

Roger Stewart