Quality Tune-Up Shops

286 E. Hamilton Avenue
Suite A
Campbell, CA 95008
Bus. (408) 374-2001
Fax. (408) 374-3202

August 24, 1999

Mr. Scott O. Seery
Alameda County Health Care Services
Fax # (510) 337-9335

Dear Mr. Seery,

We are writing to let you know that we have sent a copy of your letter dated August 11, 1999 to our Specialist who handled this facility.

You should be hearing from them shortly, if not already, concerning this matter.

Thank you,

Larry G. Armstrong
Side B Corporation
d.b.a. Quality Tune-Up Shops

Please call me within 10 days at (510) 567-6783.

Sincerely,

Scott O. Seery, CHMM

Hazardous Materials Specialist

Attachment

cc: Bob Chambers, Alameda County District Attorney's Office
Chuck Headlee, RWQCB

P 368 729 452

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to LARRY ARMSTRONG	
Street & Number QUALITY TUNE-UP	
Post Office, State, & ZIP Code 286 E. Hamilton Avenue, Ste.A CAMPBELL, CA. 95008	
Postage	$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$
Postmark or Date AUG 12 1999	

PS Form 3800, April 1995

SENDER: SCOTT O. SEERY

- Complete items 1 and/or 2 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:
LARRY ARMSTRONG
QUALITY TUNE_UP
286 E. HAMILTON AVENJE, STE A
CAMPBELL, CA. 95008

4a. Article Number
P 368 729 452

4b. Service Type
☐ Registered ☐ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

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

6. Signature: *(Addressee or Agent)*
X

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

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)

Certified Mailer # P368 729 452

August 11, 1999

STID 969

Larry Armstrong
Quality Tune-Up
286 E. Hamilton Avenue, Ste. A,
Campbell CA 95008

NOTICE OF VIOLATION

RE: 2780 Castro Valley Boulevard, Castro Valley

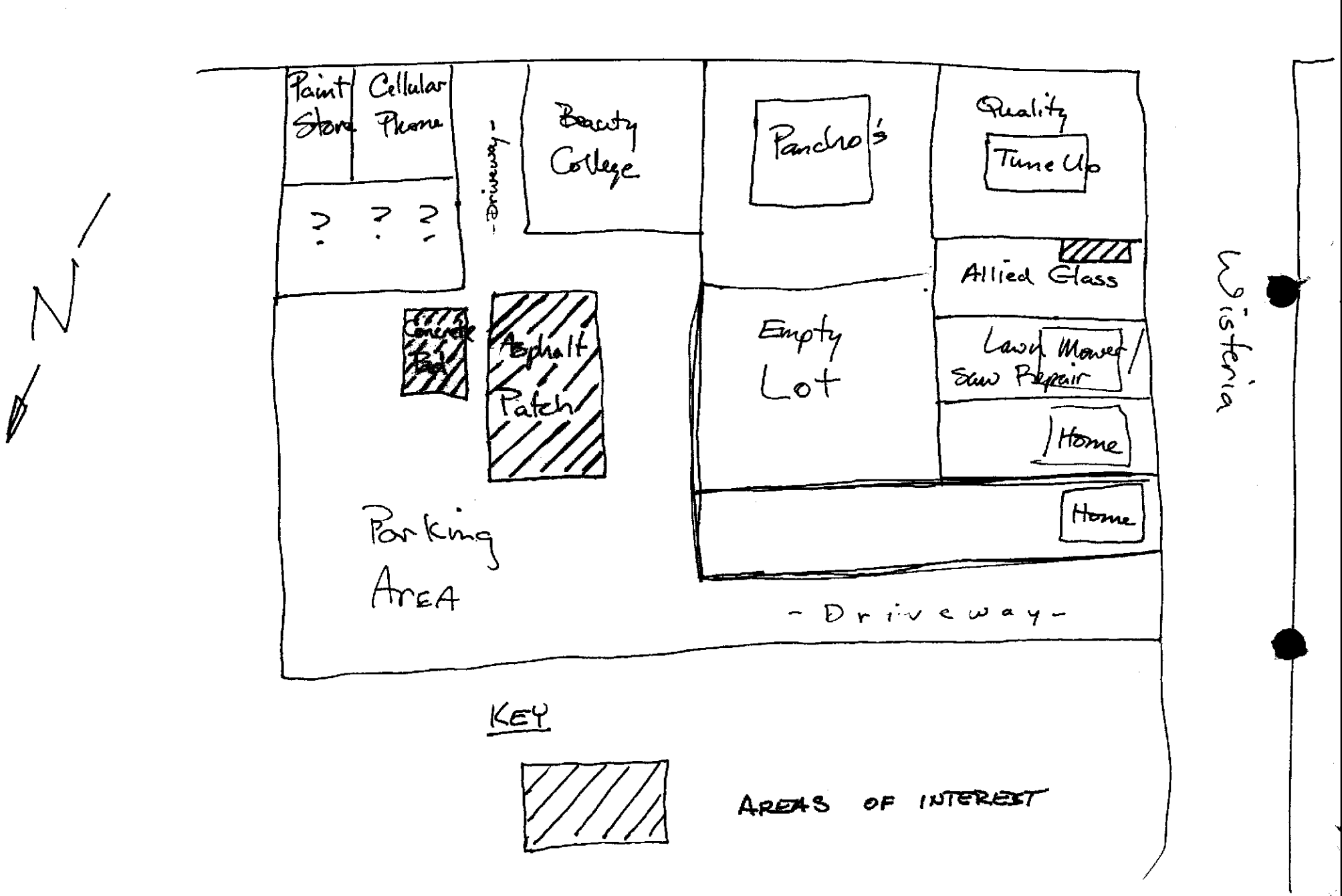
Dear Mr. Armstrong:

In correspondence from this office dated January 3, 1996 (attached), you were requested to begin a semi-annual schedule of well sampling and monitoring at this site. Such work was to occur during the 1st and 3rd quarters of each year. The initial event was to occur no later than March 31, 1996, with the first report due no later than May 1, 1996. No reports have been received by this office in the 3.5 years that have passed since the cited letter was issued.

You are currently in violation of Section 2652(d) of Title 23, California Code of Regulations (CCR), for failure to submit technical reports to the local agency. California Health & Safety Code Section 25299(b)(6) provides for penalties of up to $5000 per day for violations of this sort upon conviction.

At this time, you are requested to contact this office within 10 days to discuss how best you may now achieve compliance with Title 23 CCR provisions.

Your case will be referred to the Alameda County District Attorney's Office for enforcement action should you not satisfactorily comply with further directives from this office. Further, your case may be deemed "ineligible" for reimbursement through the State Water Resources Control Board (SWRCB) UST Cleanup Fund for such noncompliance.


C. V. Blvd.
Paint Store
Cellular Phone
? ? ?
- Driveway -
Beauty College
Pancho's
Quality
Tune Up
Allied Glass
Empty Lot
Lawn Mower / Saw Repair
Home
Home
Concrete Pad
Asphalt Patch
Parking Area
- Driveway -
Wisteria
N
KEY
AREAS OF INTEREST

HAGEMAN-AGUIAR, INC.
Underground Contamination Investigations, Groundwater Consultants, Environmental Engineering

February 2, 1996

Ms. Amy Leech, Hazardous Materials Specialist
Alameda County Health Services Agency
Dept. of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

Re: Quality Tune-up Shop
2780 Castro Valley Blvd.
Castro Valley, CA

Dear Ms. Leech:

I am writing to you response to your January 3, 1996 letter to Mr. Larry Armstrong, Quality Tune Shop, located at 2780 Castro Valley Blvd., Castro Valley, CA.

We have been Mr. Armstrong's consultant since 1991. Your reference to the Allied Glass Co. and their subsequent removal of underground storage tanks located at the north fence line of Allied Glass Co. and Quality Tune-up properties. Our concern was based on the fact that groundwater flow is in southerly direction. The tank that was removed from the Quality Tune-up property that was closest to MW-3, was a waste oil tank and not gasoline. It was for this reason that **some** consideration was given to possible migration of gasoline from the Allied Glass location.

Hageman-Aguiar, Inc. **has never alleged that source of the contamination was Allied Glass Co., but, in fact it was considered a possibility because of the upgradiant location of the Allied Glass underground storage tanks.**

3732 Mt. Diablo Blvd. Suite 372 Lafayette, California 94549 ~~(510) 284-1661~~ FAX (510) 284-1664
(510) 620-0871

Hageman-Aguiar, Inc. has suggested to Mr. Armstrong in the past that a hydropunch investigation might quantify the source of the contamination. Because of economic considerations Mr. Armstrong has not felt that it was prudent to spend the money to do the additional subsurface investigation. Hageman-Aguiar, Inc. has never proposed to do any ground penetrating radar survey to locate any additional USTS, we are satisfied that all the underground storage tanks have been removed from the Quality Tune-up location.

We agree the contaminant concentrations have not changed in the area of MW-3 in the past several years of quarterly sampling. The recommendation for semi-annual sampling is appropriate.

Should you have any questions regarding this location please feel free to us a call, we will be more than happy to discuss them with you.

Sincerely,
HAGEMAN-AGUIAR, INC.

Bruce Hageman
cc: Mr. Larry Armstrong, Quality Tune-up

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

RAFAT A. SHAHID, DIRECTOR

DEPARTMENT OF ENVIRONMENTAL HEALTH
1131 Harbor Bay Parkway
Alameda, CA 94502-6577
(510) 567-6777

StId 969

January 3, 1996

Larry Armstrong
Quality Tune-Up
286 E Hamilton Ave Ste A
Campbell CA 95008

Subject: Investigations at Quality Tune-up, 2780 Castro Valley Blvd., Castro Valley

Dear Mr. Armstrong:

This office has recently reviewed the status of soil and groundwater investigations subsequent to the removal of underground storage tanks (USTs) at the subject site. The most recent report submitted to this office is Hageman-Aguiar, Inc.'s (HAI) Report of Quarterly Groundwater Sampling dated July 5, 1995 which reports groundwater sampling data from June 27, 1995. This report alleges that the source of contamination found at monitoring well MW-3 may possibly be from the upgradient property, Allied Glass, Co.. As indicated in numerous conversations with HAI and most recently our January 26, 1994 letter (see attached), laboratory results from and field observations during the Allied Glass, Co. UST closure had *not* identified a significant release of gasoline in this location.

The noted January 26, 1994 correspondence from our office issued in follow up to a meeting on the same date with HAI's Gary Aguiar acknowledges you plan to complete a hydropunch study at this site to better define the extent of the groundwater contaminant plume. In addition, we also understood that HAI was going to propose using ground penetrating radar to identify the possible presence of other on-site source (i.e., USTs).

This office concurs now, as then, with your plan to complete a groundwater investigation and, if necessary, a ground penetrating radar study within your property to better define the source and extent of groundwater contamination. **Therefore, should you wish to confirm that the source of groundwater contamination is emanating from another source other than the USTs that were formerly removed from your site, please submit the above described proposal to this office for review within the next 60 days, or by March 3, 1995.**

This office has received data from May 1992 through June 1995 that includes 13 quarters of groundwater sampling at the subject site. During this time, contaminant concentrations have not appreciably attenuated or appreciably increased at monitoring well MW-3. **Therefore, a reduction in sampling frequency appears warranted. Please complete groundwater sampling and monitoring at the subject site on a semi-annual basis during the 1st and 3rd quarter of each year until this site qualifies for closure. The next groundwater sampling event should be completed no later than March 31, 1996, and the report of results is due to this office no later than May 1, 1996.** Groundwater samples should be analyzed for total petroleum hydrocarbons as gasoline (TPHg) and aromatic compounds including Methyl Tertiary Butyl Ether (MTBE), benzene, toluene, ethylbenzene, and total xylenes (BTEX).

Please note that the review of environmental assessment/investigations for this site has been transferred from Scott Seery to undersigned of this office. Should you have questions, please contact me at (510)567-6755 and submit all reports to my attention.

I left a message at your office on 1/2/95 and understand you will be out until 1/8. If you would like to discuss your site via the telephone or schedule a meeting, please give me a call at (510)567-6755.

Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Hageman-Aguiar, Inc.
3732 Mt. Diablo Bvld Ste 372
Lafayette CA 94549

William and Mary Gong
4320 View Crest Ct
Oakland CA 94619

Gordon Coleman - File(ALL)

Please note that the review of environmental assessment/investigations for this site has been transferred from Scott Seery to undersigned of this office. Should you have questions, please contact me at (510)567-6755 and submit all reports to my attention.

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Sincerely,

Amy Leech
Hazardous Materials Specialist

c: Hageman-Aguiar, Inc.
3732 Mt. Diablo Bvld Ste 372
Lafayette CA 94549

William and Mary Gong
4320 View Crest Ct
Oakland CA 94619

Gordon Coleman - File(ALL)

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

STID 969

January 26, 1994

Mr. Larry Armstrong
Quality Tune-Up
286 E. Hamilton Avenue, Ste. A
Campbell, CA 95008

RE: QUALITY TUNE-UP SHOP, 2780 CASTRO VALLEY BLVD., CASTRO VALLEY

Dear Mr. Armstrong:

I met today with Messrs. Bruce Hageman and Gary Aguiar of Hageman-Aguiar, Inc. to discuss and plan the most appropriate course your project should take in the near future. We also discussed the results of the underground storage tank (UST) removal project at the site adjoining yours to the north, Allied Glass.

Laboratory results following the analyses of soil and water samples collected during UST closures at Allied Glass do not suggest that a noteworthy release of gasoline has occurred at that site. Although a sample of water collected from one of the tank pits exhibited levels of gasoline compounds at elevated levels, field observations suggest that this water was not true ground water, but rather rain water runoff which had collected in this pit while the excavation was open. This interpretation is further supported by the absence of gasoline compounds in any of the soil samples collected from within either of the two UST pits, and only trace levels of toluene (11 ug/kg) in stockpiled soil excavated from around the subject USTs prior to their removal. Elevated levels of extractable lead remain the only apparent contaminant of concern in excavated soil, the presence of which does not appear to be related to the former USTs. Hence, in the absence of additional, substantial evidence to the contrary, and based on that body of evidence submitted to date, Allied Glass does not appear to be a contributor to the gasoline plume underlying your site.

Messrs. Hageman and Aguiar presented (but did not submit) a *draft* work plan for the emplacement of several "hydropunch" points about your site in an attempt to better define the extent and concentration distribution of the plume. Hydropunch studies have proven effective in the past on many sites for qualitatively mapping plumes and identifying potential sources without the expense and uncertainty of permanent well points.

We also discussed the potential presence of an additional buried, on-site source (e.g., abandoned UST) at this site. Mr. Aguiar suggested the use of ground penetrating radar (GPR) to determine if such a source exists. This is a sound suggestion.

Additionally, the number of target analytes to be sought in water samples collected from each well has been reduced. Future samples need only be analyzed for total petroleum hydrocarbons characterized as gasoline (TPH-G), and the aromatic compounds benzene, toluene, ethylbenzene, and total xylene isomers (BTEX).

As it becomes available, please submit the proposal for the cited hydropunch study and GPR, or equivalent, survey for review. Should you have any questions, please contact me at 510/271-4530.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director
Gil Jensen, Alameda County District Attorney's Office
Ed Laudani, Alameda County Fire Department
Britt Johnson, ACDEH
Gary Aguiar, Hageman-Aguiar, Inc.
William and Mary Gong, 4320 View Crest Ct., Oakland 94619

STD 969

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

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

II,III

Site ID # ____ Site Name Quality Tune Up Today's Date 5/12/92

Site Address 2780 CV Blvd.

City Castro Valley Zip 94546 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)

___	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 tsting
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:

On-site to observe well (3) installations. Two were installed south of former UST pits within former fueling island pad. The third well was placed near former waste oil tank behind (north) of the service building. According to Gary Aguiar of Hagenow-Aguiar, sediments encountered just above weathered bedrock at a depth of ~12-13 BGT, had a strong gasoline odor. This is also the approximate depth of first GW.

II, III

Contact: ____

Title: ____ Inspector: S. Stanley

Signature: ____ Signature: ____

STID 969

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

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

II,III

Site ID # ____ Site Name Quality Tune Up Today's Date 5/12/92

Site Address 2780 CV Blvd.

City Castro Valley Zip 94546 Phone ____

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

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___	9. Modification	25505(b)

II.B ACUTELY HAZ. MATLS

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___	14. OffSite Conseq. Assess.	25524(c)
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___	16. Persons Responsible	25534(g)
___	17. Certification	25534(i)
___	18. Exemption Request? (Y/N)	25536(b)
___	19. Trade Secret Requested?	25538

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1) Monthly Test
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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
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Rev 6/88

Comments:

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II, III

Contact: ____

Title: ____ Inspector: S. Shea

Signature: ____ Signature: ____

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

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Division
80 Swan Way, Rm. 200
Oakland, CA 94621
(510) 271-4320

STID 969

April 6, 1992

Mr. Larry Armstrong
Quality Tune-Up Shops - Side B Corporation
286 E. Hamilton Avenue
Campbell, CA 95008

RE: PRELIMINARY SITE ASSESSMENT

Dear Mr. Armstrong:

The Department is in receipt and has completed review of the March 5, 1992 Hageman-Aguiar, Inc. (HAI) preliminary site assessment (PSA) proposal which outlines plans for the initial installation of three (3) ground water monitoring wells at the subject site. This proposal has been accepted with following provisions:

1) As discussed with HAI's Mr. Gary Aguiar, the southwestern-most well depicted in Figure 3 of the March 5 proposal should be repositioned south of the former dispenser island.

2) Soil samples collected during boring advancement should also be collected at any significant changes in lithology and obvious contamination, in addition to every 5 feet of boring depth.

3) Allow a minimum of 24 hours to pass between well development and ground water sampling.

At this time, please adhere to a **quarterly** schedule of ground water sampling and **monthly** water elevation monitoring. Summary reports shall be submitted **quarterly** until this site is eligible for final "sign off" by the RWQCB. Such reports are due the first day of the second month of each subsequent quarter (i.e., May 1, August 1, November 1, and February 1).

Please notify this office when field activities are slated to begin. I may be reached at 510/271-4320.

Sincerely,

Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Gil Jensen, Alameda County District Attorney's Office
Rich Heitt, RWQCB
Howard Hatayama, DTSC
Bob Bohman, Castro Valley Fire Department
Gary Aguiar, Hageman-Aguiar

DATE: 2/4/92

TO : Local Oversight Program

FROM: Scott

SUBJ: Transfer of Elligible Oversight Case

Site name: Quality Tune Up

Address: 2780 Castro Valley Blvd City Castro Valley Zip 94546

Closure plan attached? (Y) N DepRef remaining $ 129.88

DepRef Project # 4014 A STID #(if any) 969

Number of Tanks: 4* removed? (Y) N Date of removal 6/11/91 ; 2/19/87

Samples received? (Y) N Contamination: Soil / GW

Petroleum (Y) N Types: Avgas Jet leaded unleaded Diesel
fuel oil waste oil kerosene solvents

Monitoring wells on site 0 Monitoring schedule? Y (N)

LUFT category 1 (2) (3) * H (S) (C) (A) R W G O

Briefly describe the following:

Preliminary Assessment PSA proposal pending

Remedial Action NA

Post Remedial Action Monitoring NA

Enforcement Action NA

* Three (3) UST removed in 1987. TEH detected in soil. Shallow GW (≤12.0' BG) impacted by BTX, up to 420 ppb benzene. One (1) 8,000 gallon waste oil tank (formerly a fuel tank) removed June 1991. Sample results were questionable, as GW samples collected the day of closure were exchanged for new ones collected the following day. The original samples were eventually destroyed before analyses was run. Subsequent samples (GW) were ND. During closure HC sheen was observed on GW welling into UST pit. PSA proposal request made 11/7/91; proposal is pending.

StID#	Name of Site	Site Address	Zip	LastInsp	#Empl	Sta
2466	Fleet Repair Systems	37440 Centralmont Pl.	536	05/09/89	12	C
2419	Scotty's Auto Body	37450 Centralmont Pl.	536	04/19/89	6	C
2440	Centralmont Sport &	37555 Centralmont Pl.	536	04/08/91	2	C
2887	Parnelli Jones, Inc.	37600 Centralmont Pl.	536	03/28/90	7	C
1500	Vista Apartments	40530 Chapel Way	538		0	Q
1501	Exceltech	41674 Christy St.	538		0	q
2396	NUTRONIX Mfg. Servic	41980 Christy St.	538	04/06/89	173	C
2395	Manufacturing Servic	42000 Christy St.	538	05/03/91	15	C
2437	High Grade Electroni	42606 Christy St.	538	04/28/89	30	C
1434	United Manufacturing	42624 Christy St.	538	06/03/87	55	C
2087	Christy Concrete Pro	44100 Christy St.	538		60	C
2438	Quality Circuits Ass	42840 Christy St. Ste.	538	04/28/89	15	C
2382	Magnum Microwave Cor	4575 Cushing Pkwy.	538	03/10/89	50	C
2381	Lam Research Corp.	4650 Cushing Pkwy.	538	03/10/89	265	C
2010	Serra Corporation	4841 Davenport Pl.	538	04/26/88	80	C
1556	Pierotti Motors	3850 Decoto Rd.	536	10/04/89	39	C
2647	Virdee's Foreign Aut	4300 Decoto Rd.	555	08/24/89	2	C
2383	Driscoll Road Chevro	2020 Driscoll Rd.	539	03/13/89	7	C
66	PG&E - Newark Substa	6453 Durham Rd.	538	09/23/86	30	C
1217	PG&E., Newark Substa	6453 Durham Rd.	538	09/23/86	12	C
2199	Red Carpet Car Wash	37505 Dusterberry Way	536	09/16/88	5	C
2581	Fremont Cycle Salvag	37531 Dusterberry Way	536	07/05/89	3	C
3265	Union Sanitary Distr	37532 Dusterberry Way	536	02/01/91	10	C
2578	Perfection Plus Auto	37555 Dusterberry Way	536	07/05/89	5	C
2642	Centerville Motor Pa	37555 Dusterberry Way	536	08/23/89	1	C
2643	Ed's Auto Repair	37557 Dusterberry Way	536	08/23/89	4	C
2579	The KAR Shop	37557 Dusterberry Way	536	07/05/89	4	C
2580	Ed Leal's Automotive	37557 Dusterberry Way	536	07/05/89	3	C
3301	HR Machinery, Inc.	3305 Edison Way	538	03/14/91	2	C
3302	Action Precision	3365 Edison Way	538	03/14/91	5	C
3289	Hoya Optics, Inc.	3400 Edison Way	538	02/15/91	13	C
2205	Mission Valley Machi	3668 Edison Way	538	09/27/88	1	C
2141	Belluomini Machine	3657 Edison Way #1	538	02/19/91	1	I
2142	Electric Motor Servi	3657 Edison Way #3	538	02/15/91	1	I
2218	Bay Press Services	3601 Edison Way #5&6	538	09/28/88	2	C
3117	Township Cleaners	43464 Ellsworth St.	539	08/15/90	4	C
1906	SJS Electronics	40950 Encyclopedia Cr.	538	04/28/89	25	C
2140	GB Industrial Spray	4396 -M Enterprise Pla	538	08/24/88	6	C
2139	Sun Graphics	4368 Enterprise St.	538	08/24/88	6	C
2289	Omni Graphics	4425 Enterprise St.	538	03/23/89	6	C
2326	Numeric Machine	4439 Enterprise St.	538		7	C
1824	Interior Components,	4453 Enterprise St.	538	02/08/88	4	C
2747	SCS (Support Circuit	4520 Enterprise St.	538	12/12/90	34	I
2131	Seltec Corporation	4568 Enterprise St.	538	08/18/88	35	I
2130	Custom Label, Inc.	4580 Enterprise St.	538	08/18/88	10	C
2185	GE NMR Instruments	255 Fourier Ave.	539	09/07/88	150	C
1651	Holiday Cleaners	34141 Fremont Blvd.	555	08/26/87	10	C
2181	Pegasus One Hour Dry	34257 Fremont Blvd.	555	09/06/88	1	C
2182	Bo-Mar Cleaners	34460 Fremont Blvd.	555	09/06/88	3	C
2016	Brookvale Mobil	35550 Fremont Blvd.	536	05/04/88	8	C
3259	DryClean U.S.A.	35754 Fremont Blvd.	536	01/28/91	2	C
2173	Arco Station #02158	35900 Fremont Blvd.	536	01/04/91	1	C
2168	Winston Tire Service	36527 Fremont Blvd.	536	08/30/88	7	C

EBA File

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

DEPARTMENT OF ENVIRONMENTAL HEALTH
Hazardous Materials Program
80 Swan Way, Rm. 200
Oakland, CA 94621
(415)

Certified Mailer # P 367 604 357

November 7, 1991

Mr. Larry Armstrong
Quality Tune-Up Shops - Side B Corporation
286 E. Hamilton Avenue
Campbell, CA 95008

RE: **PRELIMINARY SITE ASSESSMENT PROPOSAL REQUEST; QUALITY TUNE-UP SHOP #30, 2780 CASTRO VALLEY BLVD., CASTRO VALLEY** 94546

Dear Mr. Armstrong:

The Alameda County Environmental Health Department, Hazardous Materials Division, has completed a review of reports and other facts associated with closure June 11, 1991 of one (1) 8000 gallon underground storage tank (UST) from the referenced Castro Valley facility, and the analyses of both soil and ground water samples collected following closure. The noted tank was used most recently to store waste oil, although it had reportedly been used previously for storing gasoline. This Division has also reviewed information reflecting the 1987 closure of three (3) other USTs from this same site. Be advised that the opinions and decisions expressed in this letter were reached with concurrence from the San Francisco Bay Regional Water Quality Control Board (RWQCB).

During the recent UST closure, ground water was noted welling into the UST pit at a depth of approximately 11.5 feet below grade. A slight product odor was detected emanating from the UST pit. Of the two (2) soil samples collected from native material, one from below each end of the tank, that sample collected from the south (fill) end of the tank had obvious product odor, and both samples were saturated. Further, ground water at the south end of the pit exhibited apparent product sheen. Ground water samples were collected from the ground water which exhibited this apparent product sheen.

On June 20, 1991, Mr. Matt Mintner of Minter & Fahy Construction Company, Inc., FAXed copies of the laboratory results reporting the analyses performed upon the samples collected. The analyses results reflect much lower concentrations of target compounds than what were expected based upon observations made in the field at the time of closure. Because the results were inconsistent with field observations, Chromalab, Inc., the certified laboratory performing the analyses, was contacted by this Department and requested to report the condition of the samples when submitted.

Chromalab's report, dated June 25, 1991 and authored by Mr. Eric Tam, Lab Director, indicated that the original soil and water samples were received in good condition on June 11, 1991: refrigerated and no head space. The samples were checked in under Chromalab File # 0691072. On the next morning (June 12), Mr. Kieth Jay of Hageman-Aguiar, the consultant collecting samples, phoned Chromalab to request that the initial water sample be placed on "hold." Apparently Mr. Jay delivered another water sample to Chromalab that same day, and requested that this new sample replace the original one. This sample was also in acceptable condition, and was checked in under Chromalab File # 0691078. It is this sample which was analyzed and reported. Mr. Tam notes that the original water sample was inspected by him personally after the Department's inquiry, and of the two 1-liter bottles, one of them had an obvious hydrocarbon odor and the other seemed "relatively clean."

Chromalab's policy is to hold all submitted samples for one month (unless requested otherwise by the client). On June 28, 1991, I contacted Mr. Bruce Hageman of Hageman-Aguiar and requested that the initial water sample be analyzed for total petroleum hydrocarbons as gasoline and diesel (TPH-G/D) and for total oil and grease (TOG). I then contacted Mr. Tam to inform him that Hageman-Aguiar would be contacting him to request the analysis of the initial water sample. On August 16, 1991, an attempt was made to contact Mr. Hageman to learn of the results of the analyses of the noted water sample. Mr. Hageman was not in his office when the call was placed. A message was left with his answering service. To date, this Department has not been contacted by Mr. Hageman regarding this issue.

On November 6, 1991, Chromalab's Mr. Tam was contacted by this Department to determine whether the noted water sample had been analyzed, and to learn of the results. Mr. Tam indicated that he was never contacted by Hageman-Aguiar and requested to analyze the sample. Hence, as is consistent with Chromalab policy, the noted sample has been destroyed and was never analyzed.

The Department has been in contact with 4 M Construction of Madera, CA, the contractor which performed the previous (1987) UST closures, since August 1991. We have been in contact with 4 M because you have apparently not been successful in your efforts to receive information from them which documents the results of these earlier tank closures. The Department finally received closure information from 4 M on November 6, 1991. This information reveals that three (3) USTs, two gasoline and one waste oil, were closed at the subject site on or around February 19, 1987. Soil and ground water samples were collected, and subsequently analyzed by Trace Analysis Laboratory, Inc. Of the seven soil samples collected, only "extractable

hydrocarbons" were detected in those soil samples collected proximal to the waste oil tank. No other analytes were detected. However, the ground water sample exhibited 26 mg/l of volatile hydrocarbons, 420 ug/l of benzene, 2000 ug/l toluene, and 9400 ug/l of xylene, all constituents of gasoline.

The RWQCB requires additional environmental investigations to be performed when hydrocarbon compounds are detected in soil samples collected at or below the seasonal high ground water level. Should ground water be impacted, as determined by water samples collected at the time of closure, an investigation is further warranted. Both of these scenarios indicate that an "unauthorized release" has occurred.

Ground water and soils at or below the seasonal high water level have been impacted at the subject site, as documented during both the 1987 and 1991 UST closures. Hence, further investigation is required. The purpose of this investigation is to determine the lateral and vertical extent, and severity, of soil and ground water contamination which may have resulted from this unauthorized release.

Such an investigation shall be in the form of a **Preliminary Site Assessment**, or PSA. 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 Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks. The major elements of such an investigation are summarized in the attached Appendix A.

In order to proceed with a site investigation, you should obtain professional services of a reputable environmental/geotechnical firm. Your responsibility is to have the consultant submit for review a proposal outlining planned activities pertinent to meeting the criteria broadly outlined in this letter and the attached Appendix A.

This Department will oversee the assessment and remediation on 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. 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 upon ground water.

The PSA proposal is due within 45 days of the date of this letter, **or by December 23, 1991.** Once this proposal has been reviewed and approved, **work should commence no later than January 23, 1992.** The Department will continue to draw from your current deposit/refund account at the current rate of $67 per hour as time is dedicated to the project until the account is depleted, at which time additional monies will be requested.

A report must be submitted within 45 days after the completion of this phase of work at the site. Subsequent reports must 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 (i.e., May 1, August 1, November 1, and February 1).

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
- Interpretation 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

All reports and proposals must be submitted under seal of a California-Registered Geologist, -Certified Engineering Geologist, or -Registered Civil Engineer. Please include a statement of qualifications for each lead professional involved with this project.

Please be advised that this is a formal request for technical reports pursuant to California Water Code Section 13267 (b). Failure to respond or a late response could result in the referral of this case to the RWQCB for enforcement, possibly subjecting the responsible party to civil penalties to a maximum of $1,000 per day. Any extensions of the stated deadlines, or modifications of the required tasks, must be confirmed in writing by either this agency or the RWQCB.

Should you have any questions about the content of this letter, please call me at 510/271-4320.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

enclosure

cc: Rafat A. Shahid, Assistant Agency Director, Environmental Health
Edgar Howell, Chief, Hazardous Materials Division
Gil Jensen, Alameda County District Attorney's Office
Lester Feldman, RWQCB
Howard Hatayama, DTSC
Bob Bohman, Castro Valley Fire Department
files

Quality Tune-Up Shops

Side B Corporation
286 E. Hamilton Ave., Suite A
Campbell, CA 95008
(408) 374-2001

August 28, 1991

Mr. Scott Seery
Alameda County Health Agency
Division of Hazardous Material
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Dear Mr. Seery:

Attached are copies of detail information regarding the removal of the tank at 2780 Castro Valley Blvd., Castro Valley, CA.

I hope that this information along with other documents previously forwarded to you will facilitate closing of your files at this location.

Thank you for your assistance in this matter.

Sincerely,

Larry G. Armstrong
Side B Corporation
dba Quality Tune Up Shops

Minter & Fahy Construction Co., Inc.

CONTRACTORS LIC. NO. 477315
411 N. BUCHANAN CIRCLE #2 PACHECO, CALIFORNIA 94553
(415) 674-8800

August 20,1991

Quality Tune-Up
286 E. Hamilton Ave., Suite A
Campbell, CA 95008

Attention: Larry Armstrong

Subject: Tank removal work
2780 Castro Valley Blvd.
Castro Valley, CA

Enclosed please find copies of the soil sample results, the chain of custody, permits from the Fire Department, the Health Department and the B.A.A.Q.M.D., tank disposal certificate, and waste manifest for the soil hauled off, all for the above referenced project.

After your reviewing you should send a copy to the Health Department there address is:
Alameda County Health Agency
Division of Hazardous Material
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621
Attention: Scott Seery/Hazardous Materials Specialist

If you should have any questions please give me a call. Thank you for the opportunity to work with you on this project.

Sincerely,

Matthew W. Minter

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 534605

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: LARRY ARMSTRONG/QUALITY TUNE UP
Address: 2780 CASTRO VALLEY BLVD., CASTRO VALLEY
Phone No.: 408-374-2000

Generating Location: 2780 CASTRO VALLEY BLVD.
Address: SAME AS ABOVE/QUALITY TUNE UP
Phone No.: 408-374-2001

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
	JST SOIL	18	Y	01	T

Type: D - Drum; C - Carton; B - Bag; T - Truck; P - Pounds; Y - Yards; O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

JAMES W HORN ~~WILLIAM THWAITT~~ for QUALITY TUNE UP — Generator Authorized Agent Name
Signature
Shipment Date: 07/19/91

TRANSPORTER

Truck No.: T 14
Phone No.: 1-408-279-0900
Transporter Name: ANDRADE TRUCKING
Driver Name (Print): Robert Medina
Address: 253 CORRAL AVE. SUNNYVALE, CA 94086
Vehicle License No./State: 3P13706
Vehicle Certification

I hereby certify that the above named material was picked up at the generator site listed above.
Driver Signature
Shipment Date: 07/19/91

I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature
Delivery Date: 07/19/91

DESTINATION

Site Name: VASCO RD. LAND FILL
Phone No.: 415-447-0491
Address: 4001 N. VASCO RD. LIVERMORE, CA 94550

~~I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.~~

Name of Authorized Agent
Signature
Receipt Date: 07/19/91

PASS CODE

10/86

BFI260-720

TRANSPORTER RETAIN

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 534807

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: LARRY ARMSTRONG/QUALITY TUNE UP
Address: 2780 CASTRO VALLEY BLVD., CASTRO VALLEY
Phone No.: 408-374-2000

Generating Location: 2780 CASTRO VALLEY BLVD.
Address: QUALITY TUNE UP/SAME AS ABOVE
Phone No.: 408-374-2001

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
	UST SOIL	18	Y	01	T

Type: D - Drum; C - Carton; B - Bag; T - Truck; P - Pounds; Y - Yards; O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

~~William Thweatt~~ JAMES HORN for Quality Tune Up — Signature — Shipment Date: 07/19/91
Generator Authorized Agent Name

TRANSPORTER

Truck No.: T14
Phone No.: 1-408-279-0900
Transporter Name: ANDRADE TRUCKING
Driver Name (Print): Robert Villeda
Address: 253 CORRAL AVE.
Vehicle License No./State: 3P13706
SUNNYVALE, CA 94086
Vehicle Certification:

I hereby certify that the above named material was picked up at the generator site listed above.
Driver Signature — Shipment Date: 07/19/91

I hereby certify that the above named material was delivered without incident to the destination listed below.
Driver Signature — Delivery Date: 07/19/91

DESTINATION

Site Name: VASCO RD. LAND FILL
Phone No.: 415-447-0491
Address: 4001 N. VASCO RD. LIVERMORE, CA 94550

~~I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.~~

Name of Authorized Agent — Signature — Receipt Date: 07/19/91

PASS CODE

10/86

BFI260-720

TRANSPORTER RETAIN

BFI Waste Systems™
BROWNING-FERRIS INDUSTRIES

No. 534603

NON-HAZARDOUS SPECIAL WASTE MANIFEST

GENERATOR

Generator Name: LARRY ARMSTRONG/QUALITY TUNE UP
Address: 2780 CASTRO VALLEY BLVD., CASTRO VALLEY
Phone No.: 408-3742000

Generating Location: 2780 CASTRO VALLEY BLVD.
Address: SAME AS ABOVE/QUALITY TUNE UP
Phone No.: 408-3742001

BFI Waste Code	Description of Waste	Quantity	Units	Containers No.	Containers Type
	UST SOIL	18	Y	01	T

Type: D - Drum; C - Carton; B - Bag; T - Truck; P - Pounds; Y - Yards; O - Other

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

James Horn ~~WILLIAM THREATT~~ for QUALITY TUNE UP — Generator Authorized Agent Name
James W Horn — Signature
07/19/91 — Shipment Date

TRANSPORTER

Truck No.: T 14
Phone No.: 1-408-279-0900
Transporter Name: ANDRADE TRUCKING
Driver Name (Print): Robert Medina
Address: 253 CORRAL AVE.
Vehicle License No./State: 3P13706
SUNNYVALE, CA 94086
Vehicle Certification:

I hereby certify that the above named material was picked up at the generator site listed above.

X [signature] — Driver Signature
07/17/91 — Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature
07/19/91 — Delivery Date

DESTINATION

Site Name: VASCO RD. LAND FILL
Phone No.: 415-4470491
Address: 4001 N. VASCO RD. LIVERMORE, CA 94550

~~I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.~~

Name of Authorized Agent
[signature] — Signature
07/19/91 — Receipt Date

PASS CODE

10/86

BFI260-720

TRANSPORTER RETAIN

Quality Tune-Up Shops

Side B Corporation
286 E. Hamilton Ave., Suite A
Campbell, CA 95008
(408) 374-2001

July 3, 1991

4 M Construction
11855 Road 29
Madera, CA 93637

Dear Gentleman:

We have received no response to our recent request for copies of soil test results, that allowed closure after the tank removal at 2780 Castro Valley Blvd., Castro Valley, CA during 1986.

We have received adamant requests from Mr. Scott O. Seery of the Alameda County Department of Environmental Health and we need to conform to his request on an immediate basis.

Please provide us with the requested test information before July 15, 1991, so that we can close our files on this matter.

Sincerely,

Larry G. Armstrong
Side B Corporation
dba Quality Tune Up Shops

cc: Mr. Scott O. Seery

91 JUL 10 AM 11:01

CHROMALAB INC

Questions:

(1) were samples composited in field or lab?

(2) will more samples (GW) be analyzed?

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Analytical Laboratory (E694)

5 DAYS TURNAROUND

June 25, 1991

Mr. Scott Seery
Alameda County Environmental Health Dept.
80 Swan Way
Room 200
Oakland, CA 94621

Re: Quality Tuneup, 2780 Castro Valley Blvd., Castro Valley

Dear Mr. Seery:

Per our conversation last Friday (6/21/91), here is a summary for the samples we received for the Minter & Fahy project at 2780 Castro Valley Blvd.

On June 11, 1991, Keith Jay brought in two discrete soil samples, one 4-in-1 composite soil sample and one water sample for analysis. The samples arrived at the lab at 2:10 pm on June 11, 1991. They were in good condition: refrigerated and no head space. These samples are checked in under ChromaLab File # 0691072. On the next morning, Keith Jay phoned us and wanted to put the water sample on hold. Later that day, he brought in another water sample and wanted us to replace the original water sample with the new one. This new sample was also in acceptable condition: refrigerated and no head space. It was checked in under ChromaLab File # 0691078. Both projects were reported on June 18 and 19 respectively.

As for the original water sample, we still have it in storage. After our conversation last week, I inspected that sample myself. Of the two 1-liter bottles, one of them has detectable hydrocarbon odor and the other one is relatively clean. It is our policy to hold all submitted samples for one month unless the client requests otherwise. So, if further analysis is needed, please let me know. If I can be of further assistance, please feel free to contact me.

Respectfully,

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

№ 6410 – 75318
Miter Fahy

CERTIFICATE

Certified Services Company
255 Parr Boulevard
Richmond, California 94801

Day or Night
Telephone
(415) 235-1393

91 AUG 12 AM 11:07

For: Erickson, Inc. Tank No.(s.) 6410 Location: Richmond Date: 06-17-91 Time: 2:00 p.m.

Test Method: Visual Gastech/1314 SMPN Last Product: Waste Oil

This is to certify that I have personally determined that the tank(s) in the following list are in accordance with the American Petroleum Institute and have found the condition of each to be in accordance with its assigned designation. This certificate is based on conditions existing at the time the inspection herein set forth was completed and is issued subject to compliance with all qualifications and instructions.

Tank(s)	Condition
1- 8,000 Gal. Tank	Safe For Fire
	Oxy 20.0%
	LEL-LESS THAN 0.1%

Remarks:

In the event of any physical or atmospheric changes affecting the gas-free condition of the above tanks, or if in any doubt immediately stop all hot work and contact the undersigned. This permit is valid for 24 hours if no physical or atmospheric changes occur.

Standard Safety Designation:

Safe for Men: Means that in the compartment or space so designated (a) The oxygen content of the atmosphere is at least 19.5 percent by volume; and that (b) Toxic materials in the atmosphere are within permissable concentrations; and (c) In the judgment of the Inspector, the residues are not capable of producing toxic materials under existing atmospheric conditions while maintained as directed on the Inspector's certificate.

Safe for Fire: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

The undersigned representative acknowledges receipt of this certificate and understands the conditions and limitations under which it was issued.

K. Hughes — Jim Cap

Representative Title Inspector

CP5875

THIS SHIPPING ORDER must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent.

Shipper's No.

Carrier's No. 019

CARRIER: Erickson, Trucking Inc. SCAC Date

TO: Consignee Street Destination	LMC Corp. 600 S. 4th St. Richmond, Ca. 94805 Zip	FROM: Shipper Street Origin	Erickson, Inc. 255 Parr Blvd. Richmond, Ca. 94801 Zip

Route: Vehicle Number 1007-2826

No. Shipping Units	HM	Kind of Packages, Description of Articles (IF HAZARDOUS MATERIALS - PROPER SHIPPING NAME)	HAZARD CLASS	I.D. Number	WEIGHT (subject to correction)	RATE	LABELS REQUIRED (or exemption)
3		NON-D.O.T. REGULATED MATERIAL NON-HAZARDOUS, GAS FREE					
		UNDERGROUND STORAGE TANKS FOR SCRAP.					
		75297-6384 x	NONE	N/A	N/A	N/A	NONE
		75277-6393x					
		75318-6410 x					

Remit C.O.D. to:
Address:
City: State: Zip:

COD Amt: $

C.O.D. FEE: Prepaid ☐ Collect ☐ $

NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. (Signature of Consignor)

FREIGHT CHARGES ☐ PREPAID ☐ COLLECT

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per Jim Cox

PLACARDS REQUIRED NO

PLACARDS SUPPLIED ☐ YES ☐ NO — FURNISHED BY CARRIER
DRIVER SIGNATURE:

SHIPPER: Erickson, Inc.
PER: Jim Cox
DATE: 6-17-91

CARRIER: Erickson Inc
PER: Steve Fleming
DATE: 6-17-91

EMERGENCY RESPONSE TELEPHONE NUMBER: ( )

Monitored at all times the Hazardous Material is in transportation including storage incidental to transportation (172.604).

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

9-BLS-A3 (Rev. 9/90)

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster whose signature is on this certificate who is a recognized authority of accuracy as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

LMC METALS
A DIVISION OF SIMSMETAL USA CORPORATION
600 SOUTH 4th STREET
RICHMOND, CALIFORNIA 94804
(415) 236-0606

TICKET# 49422

MATL. 10201-1 UNP
PRICE / TON PAY WEIGHT: 14840
TOTAL PRICE
WEIGHT ADJUSTMENT: 0 PERCENT:*****%
INBOUND WEIGHT: 45700 Lbs.

ACCOUNT:22168801
ERICKSON INC.
255 PARR BLVD.
RICHMOND , CA
CASH I.D.:

TRUCK NO. LICENSE NO.
DRIVER: /

45700	(M)	Gross Weight	Lbs.	6/17/91- 14:23	FRT. CODE:1 COST:$ 0.00
30860		Tare Weight	Lbs.	6/17/91- 14:46	
14840		Net Weight	Lbs.		

SIGNATURE OF SELLER OR AGENT: Steve Fleming

LMC METALS WEIGHMASTER

2-98753

CUSTOMER COPY

FOR SALVAGE VEHICLE SALES: I hereby [illegible] perjury, that any vehicles sold have been cleared for dismantling by the Department of Motor Vehicles.

[illegible]

SELLER/AGENT: I warrant that I am the owner (or owner's representative) of the material described above and have the right to sell same, that it contains no hazardous material as defined by federal or state law and that for payment hereby received I sell and convey title to LMC METALS.

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-91)
Please print or type. *Form designed for use on elite (12-pitch typewriter).*

See Instructions on Back of Page 6 and Front of Page 7

75318

Department of Health Services
Toxic Substances Control Division
Sacramento, California

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C|A|0|0|0|5|6|2|2|2|4 — Manifest Document No.: 75318
2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address:
QUALITY TUNE UP SHOP #30
286 E HAMILTON AVE CAMPBELL CA 95008

4. Generator's Phone (408 374-2001)

A. State Manifest Document Number: 90392273
B. State Generator's ID:

5. Transporter 1 Company Name: TRIDENT TRUCK LINE, INC.
6. US EPA ID Number: C|A|D|9|8|2|4|8|4|3|7|0
C. State Transporter's ID: 204340
D. Transporter's Phone: (415) 783-2881

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address:
ERICKSON INCORPORATED
255 PARR BLVD.
RICHMOND, C A. 94801
10. US EPA ID Number: C|A|D|0|0|9|4|6|6|3|9|2
G. State Facility's ID: C|A|D|0|0|9|4|6|6|3|9|2
H. Facility's Phone: (415) 235-1393

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. EMPTY TANK NON-RCRA HAZARDOUS WASTE SOLID	001	CM	8000	P	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above:
QUANTITY / EMPTY STORAGE TANK(S) 6410 , HAVE BEEN INERTED WITH 15 LBS. DRY ICE PER 1000 GAL CAPACITY.

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information:
KEEP AWAY FROM SOURCES OF IGNITION. ALWAY WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. 24 HR. CONTACT NAME: L. ARMSTRONG - 408 374-2001 AND PHONE: —

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: L. ARMSTRONG — Signature: [signature] — Month Day Year: 06 11 91

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MIKE VERNAZZA — Signature: [signature] — Month Day Year: 06 11 91

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: — Signature: — Month Day Year:

FACILITY

19. Discrepancy Indication Space:
SECTION I. STATE -512 GENERATOR NOTIFIED EPA/OTHER-NONE TONNE CAMA 6-11-91 1243pm

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: HARRISON L. STOCKTON — Signature: [signature] — Month Day Year: 06 11 91

DHS 8022 A
EPA 8700—22
(Rev. 6-89) Previous editions are obsolete.

Do Not Write Below This Line

White: TSDF SENDS THIS COPY TO DOHS WITHIN 30 DAYS
To: P.O. Box 3000, Sacramento, CA 95812

white -env.health
yellow -facility
pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

Hazardous Materials Inspection Form

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

II,III

Site ID # ____ Site Name Quality Tune-Up Today's Date 6/11/91

Site Address 2780 Castro Valley Blvd

City Castro Valley Zip 945 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)

___	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(i)
___	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:

On-site to witness closure of one 8,000 gallon waste oil (former fuel) UST. Larry Armstrong of Quality Tune Ups, Kieth Jay (Hagaman-Aguiar), John Fahy / Bill Thweatt (Mintner-Fahy Construc.), Larry Brown (CVFD) were on hand during removal. Tank was inerted with 200# of solid CO_2. Tank is of coated steel construction, and appears in sound condition. This tank was installed ~1982.

Groundwater was noted welling into the UST excavation at a depth of approx. 11'6" below grade. Slight odor of degraded product coming from pit. Two (2) soil samples collected from ends of tank pit. Soil is saturated (water table reached). Sample from fill (South) end of pit has "normal" odor; GW from this end has apparent product sheen.

Standard w.o. analysis is required.

Contact: Larry Armstrong

Title: owner

Signature: L Armstrong

Inspector: S. Seery

Signature: S. Seery

II, III

ACKNOWLEDGMENT

Bay Area Air Quality Management District acknowledges receipt of your Tank Removal/Contaminated Soil Excavation Notification Form received on 6/3/91.

6-3-91

BAY AREA AIR QUALITY MANAGEMENT DISTRICT
939 Ellis Street
San Francisco California
94109
(415) 771-6000

REGULATION 8, RULE 40
Aeration of Contaminanted Soil and Removal of Underground Storage Tanks

NOTIFICATION FORM

☒ Removal or Replacement of Tanks
☐ Excavation of Contaminated Soil

SITE INFORMATION

Agree

SITE ADDRESS 2780 Castro Valley Blvd.
CITY, STATE, ZIP Castro Valley (HAYWARD) 94552
OWNER NAME Quality Tune up
SPECIFIC LOCATION OF PROJECT 2780 Castro Valley Blvd.

TANK REMOVAL

SCHEDULED STARTUP DATE 6-10-91
VAPORS REMOVED BY:
[ ] WATER WASH
[X] VAPOR FREEING (CO^2)
[ ] VENTILATION

CONTAMINATED SOIL EXCAVATION

SCHEDULED STARTUP DATE _____
STOCKPILES WILL BE COVERED? YES ____ NO ____
ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
_____
(MAY REQUIRE PERMIT)

CONTRACTOR INFORMATION

NAME Minter & Fahy Construction Co. I CONTACT Matt or John
ADDRESS 411 N. Buchanan Cir. #2 PHONE (115) 674-8800
CITY, STATE, ZIP Pacheco, Ca. 94553

CONSULTANT INFORMATION
(IF APPLICABLE)

NAME Hageman- Schank Inc. CONTACT Bruce
ADDRESS 2723 Crow Canyon Rd. #210 PHONE (115) 837-2926
CITY, STATE, ZIP San Ramon, Ca. 94583

FOR OFFICE USE ONLY

DATE RECEIVED 6/3/91 BY RW
CC: INSPECTOR NO. I-558 DATE 6/4/91 (INIT.) BY RW (INIT.)
TELEPHONE UPDATE: CALLER _____ CHANGE MADE _____
BAAQMD N # _____

3/89

CASTRO VALLEY FIRE PROTECTION DISTRICT

Tank Closure Authorization Permit
Procedure Guide for Temporary Closure,
Placing Out of Service or Removal of
Flammable and Combustible Liquid Tanks

Project Location 2180 Castro Valley BLVD

Date of Removal _____ Fees Paid N/A

Fire Dept Authorization by J. Brown Date 2-27-91

I. Permits

A. A fire permit is required to remove, abandon, place temporarily out of service or otherwise dispose of any flammable or combustible liquid tank.

B. Application for a fire permit shall consist of submittal of:

___ 1. Approved copy of Alameda County's tank closure/modification plan.

Note: Alameda County Hazardous Material Division must have a closure plan submitted for placing underground tanks out of service. They can be contacted at (415) 271-4320.

___ 2. A description of the procedure that will be used to remove and inert the tank along with a "safety plan" describing the safety procedures to be taken.

___ 3. A site plan indicating size and location of tank and associated piping, nearby buildings, property lines, method and location of site security (fences, etc.).

II. Placing Temporarily Out of Service (less than 90 days)

A. Fill line, gauge openings, vapor return and pump connection shall be secured against tampering.

B. Vent lines shall remain open and maintained in accordance with the Fire Code.

C. Monitoring and leak detection shall be maintained as if the tanks are in service.

III. Tank Out of Service 90 Days

A. Such tanks shall be properly safeguarded or removed.

B. The following shall be followed for safe guarding tanks.

1. Remove all product from tank and purge tank.

2. Cap or plug all piping, including fill line, gauge opening, vapor return and pump connection and secure against tampering.

3. Vent line shall remain open and be maintained in accordance with the Fire Code.

4. Monitoring and leak detection shall be maintained as if the tank is in service.

5. Tank shall not be placed back in service until tested and a permit is issued by the fire department.

IV. Tank Abandoned or Out of Service for One Year

A. Such tank shall be removed. Upon showing cause, tank may be abandoned in place upon approval by the fire department.

V. Removal of Underground Tank

A. Fire Department Inspection Requirements

1. The fire department is to be notified 48 hours prior to tank removal to set up inspection.

2. Notify the fire department the morning of tank removal to confirm time when purging of the tanks will begin, and estimated time when tanks will be adequately purged and ready for removal.

3. Prior to removal of the tank, inspection by the fire department is required.

B. General Procedures for Underground Tank Removal

1. Secure site from unauthorized entry and eliminate any potential ignition sources from the area. Post applicable warning signs as necessary, i.e. no smoking or open flame.

2. Maintain two 2A 20BC minimum fire extinguishers on site.

3. Drain and flush all piping into tank or appropriate container for disposal.

4. Prior to excavation, remove all flammable liquid and sludge from the tank. It may be necessary to utilize a hand pump to remove the bottom few inches.

5. Dig down to the top of the tank and remove fill tube and all piping to tank.

6. Prior to complete excavation of tank and its removal, the tanks must be purged of flammable and combustible vapor.

   If dry ice is used, a minimum of 30 pounds dry ice to every 1,000 gallons of tank capacity shall be used. Purging is considered adequate when vapor contents are below 15 percent of the lower explosive limits of the product and the O_2 percent is below 5 percent. This requires that the tank be tested using a meter that indicates the percentage reading of the lower explosive limits, and oxygen percentage. The contractor is required to supply the meter.

   It is the intent to purge the tanks prior to a large excavation hole being created, and to purge vapors at a height which will prevent accumulation of vapors in low spots. This will require a vent pipe be connected to the tank to permit purging of vapors at least five feet above grade. Care must be taken to assure vapors are being vented into a safe location free of possible ignition sources.

7. Once the tank has been purged, plug and cap all holes. Use screwed (boiler) plugs to plug any corrosion leak holes. One cap should have a 1/8 inch vent hole to prevent the tank from being subjected to excessive pressure changes (locate at uppermost point of tank).

8. Complete excavation and removal of tank. Once removed, check tank for any damage or holes and plug such. Recheck tank for adequate purging and re-purge if necessary.

9. The tank is required to be removed from the site upon removal from the ground, and tanks shall not be left unattended at any time.

10. If the hole is going to be left unfilled, fencing (minimum six feet high) shall be placed around the site to prevent unauthorized entry.

RTB/cab

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

ACCEPTED 2-8-91 SDS

DEPARTMENT OF ENVIRONMENTAL HEALTH
415 - 24th Street, Room 200
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 made by the Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits or construction.

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

Any change or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspection Department to determine if such changes must be in compliance with State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

6-11-91 Removal of Tank and Piping
6-11-91 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.

Project #: 592314
Fee Paid: $432.00
Date: 1/31/91

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

1. Business Name Quality Tune up
   Business Owner Larry Armstrong
2. Site Address 2780 Castro Valley Blvd
   City Castro Valley Zip _____ Phone 1-408-374-2001
3. Mailing Address 286 E. Hamilton Ave. Suite A
   City Campbell Ca Zip 95008 Phone 1-408-374-2001
4. Land Owner Larry Armstrong
   Address 286 E Hamilton Ave. City, State Ca Zip 95008
5. EPA I.D. No. CAC 000562224
6. Contractor Minter & Fahy Construction Company, Inc
   Address 411 N. Buchanan Circle #2
   City Pacheco Ca Phone 9455-3
   License Type A Hazardous ID# 477315
   Consultant Hageman Aguiar
   s 3732 MT. Diablo Blvd
   Lafayette Ca Phone 284-1661

8. Contact Person for Investigation

Name Matt Minter Title Vice President

Phone 674-8800

9. Total No. of Tanks at facility 1

10. Have permit applications for all tanks been submitted to this office? Yes [X] No [ ]

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name H & H Ship Service EPA I.D. No. CAD004771168

Address 220 China Basin

City S.F. State Ca Zip 94107

b) Rinsate Transporter

Name H & H Ship Service EPA I.D. No. CAD004771168

Address 220 China Basin

City S.F. State Ca Zip 94107

c) Tank Transporter

Name H & H Ship Service EPA I.D. No. CAD004771168

Address 220 China Basin

City S.F. State Ca Zip 94107

d) Tank Disposal Site

Name H & H Ship Service EPA I.D. No. CAD004771168

Address 220 China Basin

City S.F. State Ca Zip 94107

e) Contaminated Soil Transporter

Name Universal Engineering EPA I.D. No. CAD981466518

Address 610 Industrial Way

City Benicia State Ca Zip 94570

12. Sample Collector

Name Haseman Aguiar

Company

Address 3732 MT. Diablo Blvd Suite372

City Lafayette State Ca Zip 94549 Phone 284-1661

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
8000	Waste Oil Gasoline	Soil	Collect one Sample at each end of Tank at a maximum of Two ft below bottom of Tank, in native material.
		GROUND WATER (IF ENCOUNTERED)	TANK PIT

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

If yes, describe.

15. NFPA methods used for rendering tank inert? Yes [X] No [ ]

If yes, describe. Rinse tanks with pressure washer

Dry ice tanks WITH 15 LBS DRY ICE PER 1000 GAL CAPACITY, OR PER LOCAL F.D. REQUIREMENTS

An explosion proof combustible gas meter shall be used to verify tank inertness.

16. Laboratories

Name Chroma Lab Inc (OK)

Address 2239 Omega Road #1

City San Ramon State Ca Zip 94583

State Certification No. E 694

17. Chemical Methods to be used for Analyzing Samples

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Number
~~TPH-G Waste Oil~~	EPA 3050	EPA Mod 8015 (GCFID) (OR 8260)
TPH-D	" 3550	GCFID (OR 8260)
TOG		EPA METHOD 5520 D+F
BTXE		EPA METHOD 8020 or 8240 (OR 8260)
Cl HC		EPA METHOD 8010 or 8240
METALS (Cd, Cr, Pb, Zn, Ni)		ICAP /AA
PCB, PCP, PNA, CREOSOTE		EPA METHOD 8270

18. Submit Site Safety Plan

19. Workman's Compensation: Yes [X] No [ ]

Copy of Certificate enclosed? Yes [X] No [ ]

Name of Insurer Transamerica Insurance Company

20. Plot Plan submitted? Yes [X] No [ ]

21. Deposit enclosed? Yes [X] No [ ]

22. Please forward to this office the following information within 60 days after receipt of sample results.

a) Chain of Custody Sheets

b) Original Signed Laboratory Reports

c) TSD to Generator copies of wastes shipped and received

d) Attachment A summarizing laboratory results

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 Saftey and Health Administration) requirements concerning personnel and safety.

I will notify the Department of Environmental Health at least two (2) working days (48 hours) after approval of this closure plan in advance to schedule any required inspections. 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.

Signature of Contractor

Name (please type) Matthew W. Minster Matthew Minster

Signature Matthew W. Minster

Date 1-31-91

Signature of Site Owner or Operator

Name (please type) Larry Armstrong

Signature Sole B Corporation Larry J. Armstrong Pres

Date 1-31-91

NOTES:

1. Any changes in this document must be approved by this Department.

2. Any leaks discovered must be submitted to this office on an underground storage tank unauthorized leak/contamination site report form within 5 days of its discovery.

3. Three (3) copies of this plan must be submitted to this Department. One copy must be at the construction site at all times.

4. After approval of plan, notification of at least two (2) working days (48 hours) must be given to this Department prior to removal of tank(s).

5. A copy of your approved plan must be sent to the landowner.

6. Triple rinse means that:

   a) Final rinse must contain less than 100 ppm of Gasoline (EPA method 8020 for soil, or EPA method 602 for water) or Diesel (EPA method 418.1). Other methods for halogenated volatile organics (EPA method 8010 for soil, EPA method 601 for water) may be required. The composition of the final rinse must be demonstrated by an original or facsimile report from a laboratory certified for the above analyses.

   b) Tank interior is shown to be free from deposits or residues upon a visual examination of tank interior.

   c) Tank should be labelled as "tripled rinsed; laboratory certified analysis available upon request" with the name and address of the contractor.

If all the above requirements cannot be met, the tank must be transported as a hazardous waste.

7. Any cutting into tanks requires local fire department approval.

UNDERGROUND TANK CLOSURE/MODIFICATION PLANS

ATTACHMENT A

SAMPLING RESULTS

Tank or Area	Contaminant	Location & Depth	Results (specify units)

INSTRUCTIONS

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

5. EPA I.D. NO.
This number may be obtained from the State Department of Health Services, 916/324-1781.

6. CONTRACTOR
Prime contractor for the project.

7. OTHER
List professional consultants here.

12. SAMPLE COLLECTOR
Persons who are collecting samples.

13. SAMPLING INFORMATION
Historic contents - the principal product(s) used in the last 5 years.

Material sampled - i.e., water, oil, sludge, soil, etc.

16. LABORATORIES
Laboratories used for chemical and geotechnical analyses.

17. CHEMICAL METHODS:
All sample collection methods and analyses should conform to EPA or DHS methods.

Contaminant - Specify the chemical to be analyzed.

Sample Preparation Method Number - The means used to prepare the sample prior to analyses - i.e., digestion techniques, solvent extraction, etc. Specify number of method and reference if not an EPA or DHS method.

Analysis Method Number - The means used to analyze the sample - i.e., GC, GC-MS, AA, etc. Specify number of method and reference if not a DHS or EPA method.

NOTE:
Method Numbers are available from certified laboratories.

18. SITE SAFETY PLAN
A plan outlining protective equipment and additional specialized personnel in the event that significant amount of hazardous materials are found. The plan should consider the availability of respirators, respirator cartridges, self-contained breathing apparatus (SCBA) and industrial hygienists.

19. ATTACH COPY OF WORKMAN'S COMPENSATION

20. PLOT PLAN

The plan should consists 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 Line

d) Location of all Structures

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

f) Streets

g) Underground conduits, sewers, water lines, utilities

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

i) Depth to ground water

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

rev. 9/88
mam

CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)
10/23/90

PRODUCER

MCCRACKEN, BOEDDIKER & OTT
INSURANCE BROKERS, INC.
855 OAK GROVE AVENUE
MENLO PARK, CA 94025
(415) 328-1400
CODE SUB-CODE

INSURED

MINTER & FAHY CONSTRUCTION
COMPANY, INC.
411 NORTH BUCHANAN CIRCLE, #2
PACHECO, CA 94553

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

COMPANIES AFFORDING COVERAGE

COMPANY LETTER A TRANSAMERICA INSURANCE COMPANY
COMPANY LETTER B
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)	ALL LIMITS IN THOUSANDS
	GENERAL LIABILITY				GENERAL AGGREGATE
	COMMERCIAL GENERAL LIABILITY				PRODUCTS - COMP/OPS AGGREGATE
	[ ] CLAIMS MADE [ ] OCCUR.				PERSONAL & ADVERTISING INJURY
	OWNER'S & CONTRACTOR'S PROT.				EACH OCCURRENCE
					FIRE DAMAGE (Any one fire)
					MED. EXPENSE (Any one person)
	AUTOMOBILE LIABILITY				COMBINED SINGLE LIMIT
	ANY AUTO				BODILY INJURY (Per person)
	ALL OWNED AUTOS				BODILY INJURY (Per accident)
	SCHEDULED AUTOS				PROPERTY DAMAGE
	HIRED AUTOS				
	NON-OWNED AUTOS				
	GARAGE LIABILITY				
	EXCESS LIABILITY				EACH OCCURRENCE / AGGREGATE
	OTHER THAN UMBRELLA FORM				
A	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY	80553565	4/18/90	4/18/91	STATUTORY 1,000 (EACH ACCIDENT) 1,000 (DISEASE — POLICY LIMIT) 1,000 (DISEASE — EACH EMPLOYEE)
	OTHER				

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS

CERTIFICATE ISSUED AS EVIDENCE OF INSURANCE.

CERTIFICATE HOLDER

City of Alameda
City Hall

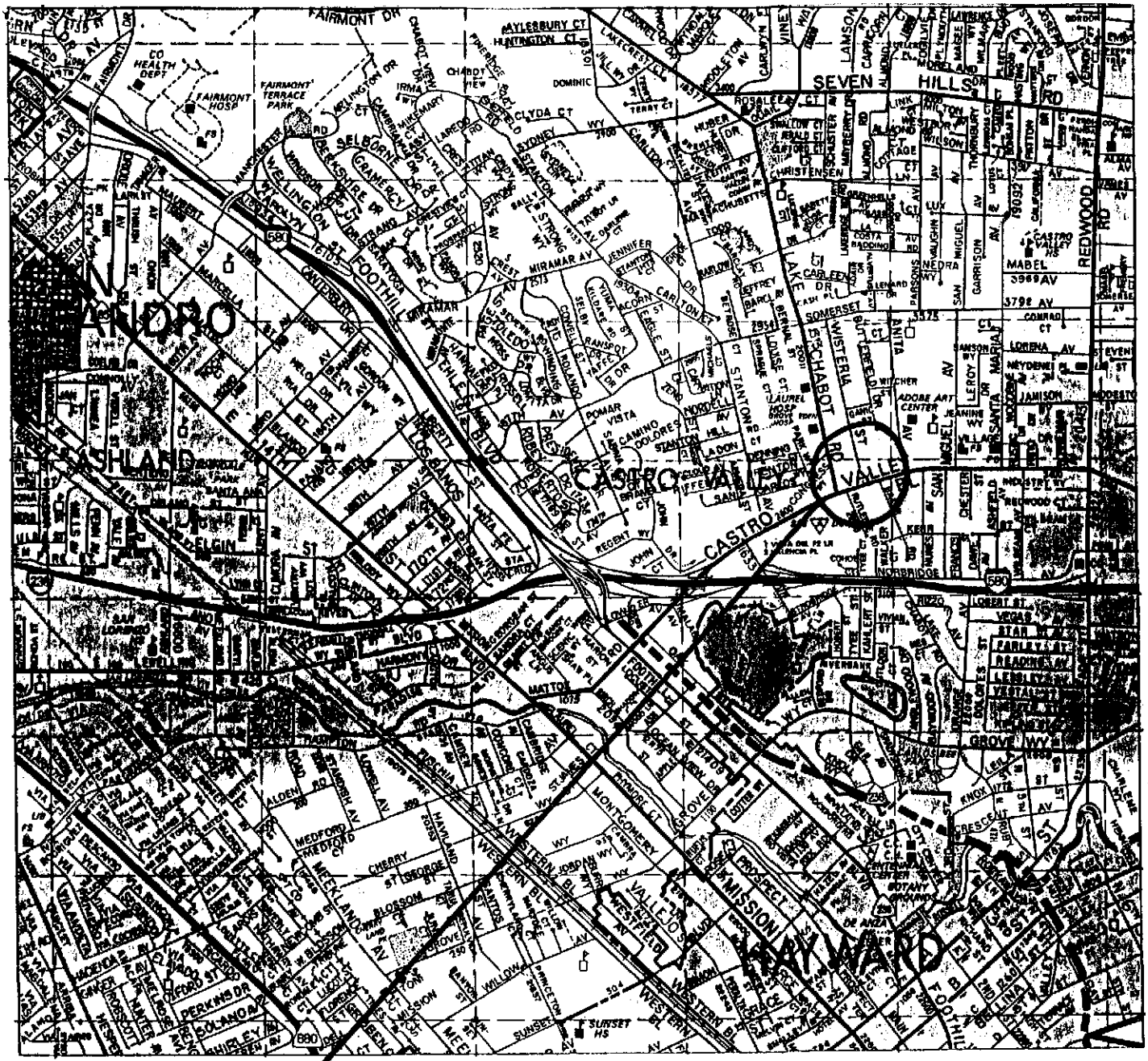
Alameda, California 94501

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.

AUTHORIZED REPRESENTATIVE
C.W. Ott

ACORD 25-S 25SV.3 (4/89)

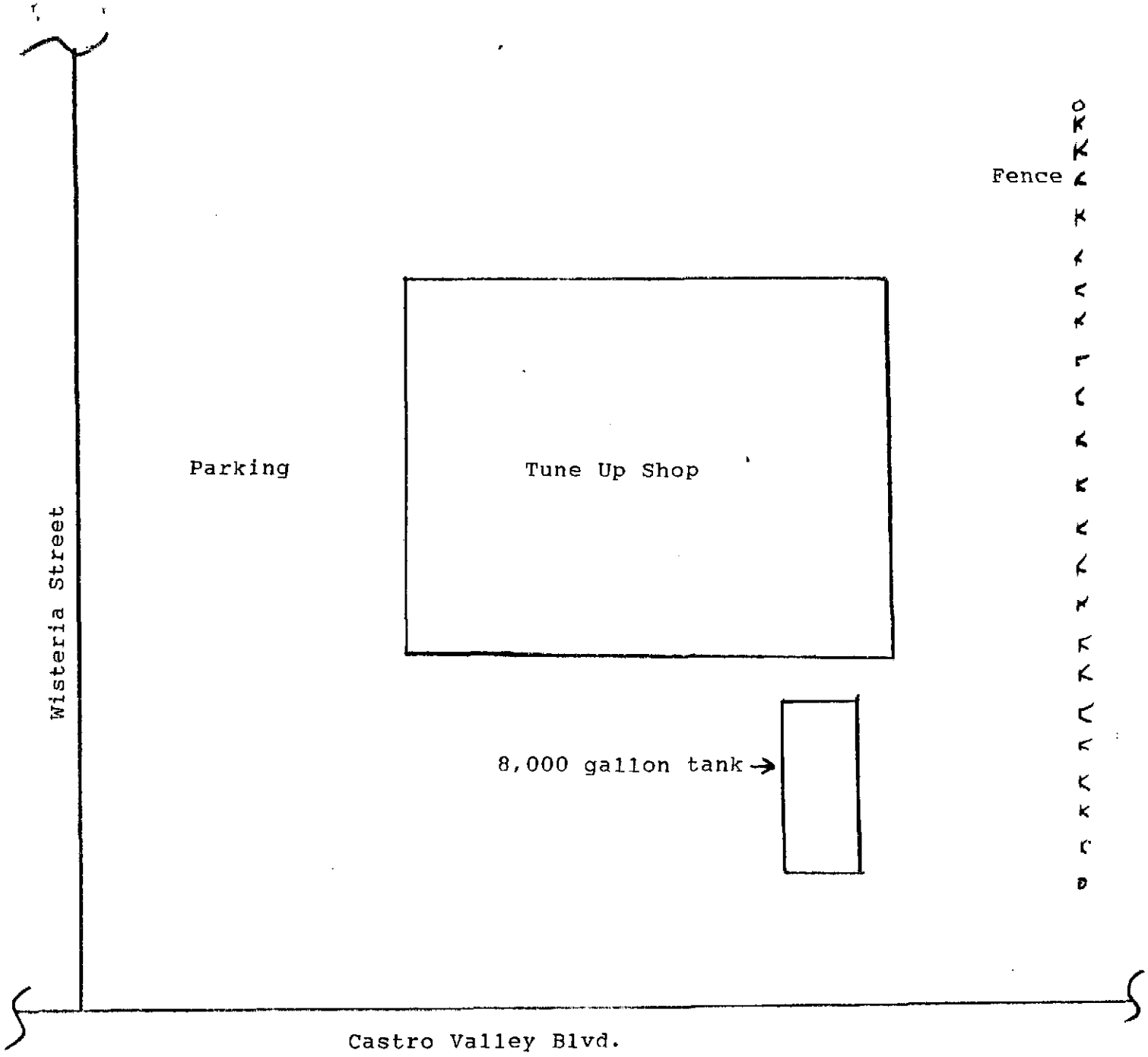


Location Map:

Tank Removal:

Quality Tune Up
2780 Castro Valley Blvd.
Castro Valley, CA

1-8,000 gallon tank



Plot Plan:

Quality Tune Up
2780 Castro Valley Blvd.
Castro Valley, CA

Tank Removal:

1-8,000 gallon tank

SAFETY & ACCIDENT PREVENTION

PROGRAM

GENERAL ENGINEERING CONTRACTOR:
HUNTER & FAHY CONSTRUCTION COMPANY, INC.
411 NORTH BUCHANAN CIRCLE #2
PACHECO, CA 94553

TABLE OF CONTENTS

SUPPLEMENTAL SECTION

Job Name:

Quality Tune Up
2780 Castro Valley Blvd.
Castro Valley, CA

Scope of Work:

1. Removal of 1-8,000 gallon tank.

2. Obtain soil samples from the bottom of excavation.

3. Backfill to subgrade.

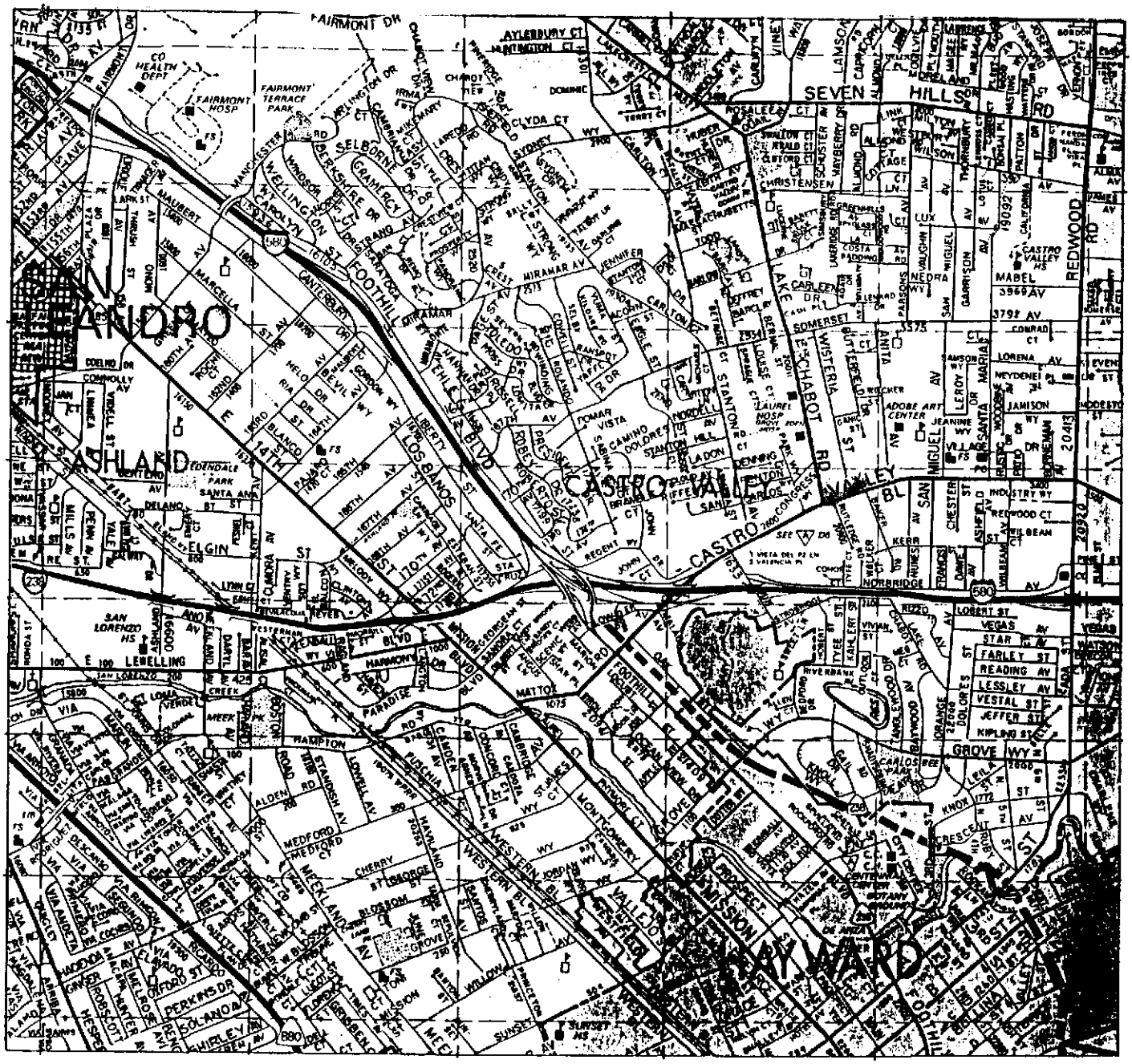
4. Restore excavated surface with 2" asphalt.

Safety Officer:

Matthew W. Minter
Phone # 1-415-674-8800

Site Hazards:

This is a open area with no apparent visual hazards. USA Alert will be notified before work begins.



Emergency Hospital Route to:

Eden Hospital

20103 Lake Chabot Rd.

Castro Valley, CA

Emergency Room # 889-5015

Route to Take: From jobsite go left on Castro Valley Blvd. which is west, turn right on Lake Chabot Road, the hospital is about ¼ mile up Lake Chabot Road. Look for emergency room.

EMERGENCY PHONE NUMBERS:

FOR MOST ALL AREAS THAT MINTER & FAHY CONSTRUCTION COMPANY WORKS, ESPECIALLY THE LOCAL BAY AREA, THE EMERGENCY POLICE, FIRE, AND AMBULANCE CAN BE REACHED BY DIALING:

911

ADDITIONAL PHONE NUMBERS:

OFFICE: 415-674-8800

SERVICE TRUCK: 415-860-0994

JOHN FAHY (HOME) : 415-372-9303

MATT MINTER (HOME) : 415-754-0623

Minter & Fahy Construction Co., Inc.

CONTRACTORS LIC. NO. 477315
411 N. BUCHANAN CIRCLE #2 PACHECO, CALIFORNIA 94553
(415) 674-8800

EMPLOYEE LIST

John Francis Fahy Jr.
131 Clipper Lane
Martinez, CA 94553
(415) 372-0358
License # A0845599
D.O.B. April 21,1953
S.S.# 555-92-0724

Matthew Wayne Minter
2827 Lucena Way
Antioch, CA 94509
(415) 754-0623
License # N5241553
D.O.B. December 19,1956
S.S.# 562-83-5383

James Leslie Minter
2122 Tyler Ct.
Antioch, CA 94509
(415) 757-1338
License # A0533100
D.O.B. June 22,1950
S.S.# 542-54-8445

James Wayne Horn
2122 Livingston Lane
Stockton, CA 95210
(209) 473-4849
License # N3683474
D.O.B. October 9,1957
S.S.# 556-33-5387

Marlon Shayne Owens
1618 Viera Ave.
Antioch, CA 94506
(415) 706-9145
License # U1023579
D.O.B. August 18,1963
S.S.# 585-92-4964

William Louis Thweatt Jr.
2819 B Florida Ave.
Stockton, CA 95205
(209) 941-4940
License # N0536800
D.O.B. January 5,1953
S.S.# 551-72-3986

Brent Edward Amerson
2145 Northwood Cir. #A
Concord, CA 94520
(415) 682-6609
License # C4683686
D.O.B. January 28,1967
S.S.# 559-06-7160

Thomas Steven Romero
1137 Pheasant Dr.
Pittsburgh, CA 94506
(415) 439-8425
License # C5855118
D.O.B. April 24,1969
S.S.# 554-85-9538

Michael Jay Zachery
1923 Carlotta Dr.
Concord, CA 94519
(415) 671-9138
License # N8864678
D.O.B. August 21,1962
S.S.# 569-23-7521

October 1989

Vehicle List

Number	Year	Make	License	Vehicle I.D.
#2	1964	Hopto, Warner & Swasey	2EKQ607	3706
#3	1964	Hopto, Warner & Swasey	SFH087	3723
#6	1968	Ford Dump Truck	1M87097	U85BU835105
#9	1975	GMC Service/Dump Truck	95398X	TCY3357512398
#12	1978	GMC Service Truck	1K43612	TCL348Z509498
#15	1987	Ford F350 Service Truck	3F22121	1FDJF37L8HKA46711
#18	1989	GMC Suburban (M)	2LXV148	1GKGV26K8KF505633
#21	1989	GMC Suburban (J)	2LXL654	1GKGV26K8KF505065
#24	1977	Strongboy Trailer	UB1641	2768

SECTION ONE

SAFE PRACTICE PROGRAM

GENERAL

1. All persons shall follow these rules, render every possible aid to safe operations, and report unsafe conditions or practices to the proper authorities.

2. The foreman shall insist that all employees observe all the safety rules.

3. All employees shall be given frequent accident prevention instructions, once a month at a general meeting, and each week at the jobsite tailgate meetings.

4. Anyone known to be under the influence of intoxicating liquor and/or drugs, will not be allowed on the jobsite, and will be subject to immediate release.

5. Horseplay will be absolutely prohibited on the jobsite.

6. Work shall be planned and supervised to forestall injuries in the handling of heavy materials and in working together with equipment.

7. Employees shall not enter manholes, underground vaults, tanks, open excavations, or other similar places that receive little ventilation.

SECTION ONE

SAFETY PROGRAM

TO ALL EMPLOYEES:

This manual is hereby distributed as the Minter & Fahy Construction Company Safety Manual. Federal and State safety laws require that a safety manual be written, and used, to see that safe conditions prevail in all of our work areas.

It is company policy that safety always be of prime concern, especially when working on the jobsite. Accidents cost everyone, and benefit no one, with the exception of doctors, attorneys, and morticians.

Minter & Fahy Construction is involved in the removal and the installation of underground fuel tanks. There are several areas where safety problems are the most demanding on our company. They are: excavations, backfill, electrical tools, air compressors, heavy equipment operation, and exposure to hazardous materials. The best way to prevent accidents is to identify and eliminate the causes before they happen. This manual will be used to help identify the causes, and thus prevent accidents from happening at all.

Weekly tailgate meetings shall be carried out by the Safety Officer assigned to each particular job, whenever two or more employees are located on one jobsite. Notifications of the meetings and the topic covered shall be forwarded to the office on the log sheets at the back of this manual.

We are proud of our record and it will take your constant attention to hazards to continue keeping working conditions safe.

8. Employees shall be alert to see that all guards and other protective devices are in proper places, and adjusted, and shall report any deficiencies to the foreman.

9. All injuries shall be reported promptly to an authorized person , so that arrangements can be made for first aid.

10. When lifting heavy objects, use the large muscles of the leg, instead of the smaller muscles of the back.

11. Gasoline shall not be used for cleaning purposes.

12. Heavy equipment shall only be operated by employees that have been instructed and trained for such operation.

USE OF TOOLS AND EQUIPMENT

1. Keep faces of hammers in good shape to avoid flying nails and bruised fingers.

2. Hold cold chisels in such a way so that the knuckles will be protected if the hammer misses the hand.

3. Do not use pipe wrenches as a substitute for other wrenches.

4. Files shall be equipped with handles.

5. Do not use a screwdriver for a chisel.

6. Keep hand saws sharp.

7. Do not push a wheelborow with handles in the upright position.

8. Do not leave the cords of portable electrical tools where cars or trucks can run over them.

9. Do not lift or lower portable tools by means of the cord, use a rope.

10. Do not alter wrench size by the use of a handle extension or a "cheater".

11. All tools and equipment shall be maintained in good condition. Any tool or pice of equipment that is damaged shall be removed from service and tagged "Defective".

12. No burning, welding or other source of ignition shall be applied to any enclosed tank or vessel, even if there are some openings, until it has first been determined that no possibility of explosion exists, and authority for the work is obtained from the foreman or the superintendent. The fire department must be present for these type of operations.

HEAVY EQUIPMENT, MACHINERY, AND VEHICLES

1. Do not operate machinery or equipment without the proper permission, training, and instruction.

2. Machinery shall not be repaired or adjusted while in operation.

3. Do not work under vehicles supported by jacks or chain hoists, without proper blocking.

4. Air hoses should not be disconnected at any end until the hose has been bled.

5. All excavations should be inspected before backfilling operations begin, to insure that it is safe to do so.

6. Excavating equipment shall not be operated near tops of cuts, banks, and cliffs, if employees are working below.

7. Tractors, and heavy equipment shall not be operated where there is a possibility of overturning in dangerous areas like edges of deep fills, cut banks, and steep slopes.

8. At all times, during the operation of heavy equipment, proper protection, such as hard hats, gloves, and steel toed boots shall be worn.

SECTION TWO

SECTION TWO

HEALTH AND SAFETY CONSIDERATIONS

A. Health and Safety Officer

James "Les" Minter is designated as the Health and Safety Officer for this project. He will be responsible for planning, implementing, and auditing the health and safety program for this construction work. He will be on site at all times to insure that the job flows in a safe manner. Les will be conducting weekly fifteen minute safety meetings with all construction personnel. He also will conduct monthly safety meetings with a minimum of one per location in the event that the construction schedule does not require a full month at each location. The Project Inspector may wish to be present at these meetings, so he will be notified in advance. Log sheets for the weekly and the monthly safety meetings can be found in the list of attached plates at the end of this booklet. The Health and Safety Officer shall fill out the sheet for each meeting.

B. Hazardous Substance Description

Light and heavy petroleum hydrocarbons, including benzene, toluene, and xylene may be encountered during the normal course of excavation and removal of the existing underground tanks, the associated piping, and the surronding soil. These petroleum hydrocarbons will be in the form of gasoline and diesel fuel, withthe BTX (Benzene, Toluene, and Xylene) being the result of the breakdown of these fuels in soil and water. Soil and/or

water samples will be taken at the discretion of the inspecting health officer from the county and/or the environmental health inspector. Appropriate measures will be taken in the event that the soil and or water is found to be contaminated.

C. Chemical Distribution

Petroleum hydrocarbons in the form of gasoline and diesel fuel will have the greatest concentrations at locations adjacent to the tanks and the associated piping, becoming less with distances away from the tank and associated piping. Utmost care will be taken to capture all residual product from the tank and associated piping so that it does not enter the soil or ground water.

D. Chemical Hazards

Potential chemical hazards include skin and eye contact and inhalation or exposure to potentially toxic concentrations of chemical vapors. The identified toxic compounds that could exist at the site are listed below with descriptions of specific effects of each. The list includes the main toxic constituents of gasoline (benzene, toluene, xylene, and ethylbenzene).

1. Benzene
    a. Characteristics: Clear, colorless, highly flammable liquid with characteristic odor.
    b. High exposure levels may cause: Acute restlessness, convulsions, depression, respiratory failure, suspected carcinogen.
    c. Permissible exposure level in the air (PEL) for a time average over an eight hour period: 10ppm

2. *Toluene*

a. Charateristics: Refractive flammable liquid with benzene like odor.

b. High exposure levels may cause: Headache, nausea, eye irritation, mild macrocytic anemia, but is less toxic than benzene.

c. PEL for an 8 hour TWA: 200 ppm

3. Xylene

a. Characteristics: clear, mobile, flammable liquid

b. High exposure levels may cause: severe eye irritation skin irritation, narcosis.

c. PEL for an 8 hour TWA: 100 ppm

4. Ethylbenzene

a. Characteristics: colorless liquid, aromatic odor, highly flammable

b. High exposure levels may cause: skin, nose, and eye irritation, dizziness, ataxia, loss of conciousness and respiratory failure.

c. PEL for an 8 hour TWA: 100ppm

E. Physical Hazards

Other on site hazards may include physical injuries due to the proximity of workers to engine-driven heavy equipment and tools, Heavy equipment used during the excavation and removal ofthe underground tanks for this project include a Hopto, a rubber-tire mounted excavator, a backhoe, and a tractor. Only trained personnel will operate machines, tools, and equipment; all of which will be kept clean and in good repair. Safety

apparel required around the heavy equipment will include a hard hat. Perimeters of tank holes will be barricaded, flagged, taped, and or fenced. All work will be performed in accordance with OSHA guidelines.

All inspections will be coordinated with the Project Inspector with plenty of notice. Tank holes will not be vacated unless approved by the Project Inspector.

Noise Control: Work hours will be normal working hours of 8:00am to 4:00pm, unless otherwise approved by the Project Inspector. Noise will be kept at a minimum, as far as possible. Ear and eye protection will be provided during jackhammering, cutting, and excavation, where necessary. Explosives will not be permitted under any circumstances.

Job Clean Up: Site excavations will be cleaned on a daily basis so that all stockpiled material from the excavation is clearly marked and barricaded to reduce injury from rubble, dirt, and any unwanted material in walkways and thoroughfares.

SECTION THREE

SECTION THREE

WORK PLAN INSTRUCTIONS

A. Level of Protection

Regular daily surveys of the site and knowledge of the anticipated hazards will determine the level of protection and the proper safety procedures to be employed on a tank by tank basis. During use of heavy equipment and machinery, all construction personnel and site visitors must wear a hard hat. The workers coming into contact with the excavated materials will wear boots, gloves, and a hard hat.

All safety equipment and first aid kits can be found in the service truck which will be located at the site during the normal construction hours. Fire extinguishers and eye wash can also be found on this truck. All construction workers should become familiar with the location of all safety equipment on the jobsite. Construction workers should also be familiar with the location of the nearest phone (station or commercial) at each tank site. There is a phone available in the service truck on the jobsite.

B. Site Entry Procedures

The two general work areas are shown on the site plans at the end of this booklet. Access to each tank hole site will be controlled with barricades, flagging, and caution taping. All personnel entering the work zone of each tank removal will be qualified field personnel wearing the proper level of protection.

Site visitors will be required to wear hard hats which are available from the job superintendent. Eating, drinking, and especially smoking and any other practices which increase the probability of combustion or hand-to-mouth transfer will be prohibited in the work zone. Potable water will be available at the site.

C. Decontamination Procedures and Disposal

All disposable protective clothing will be put into plastic bags and disposed of in a garbage receptacle. Excavated soils will be stockpiled in designated areas until chemical analyses have been performed on the soil samples, or until the health inspector deems the material to be free of potential contamination hazard. The soil will be covered with plastic sheeting in the event that the health inspector suspects there to be a contamination hazard.

In the event of a medical emergency, the injured party will be taken through decontamination procedures, if possible. However, the procedures will be omitted when it may aggravate or cause harm to the injured party. A member of the work team will accompany the injured party to the medical facility to advise on matters concerning chemical exposure.

The Health and Safety officer will be notified if combustible gas vapor levels exceed ambient concentrations in the samples. Excavation will cease, equipment will be shut down, and personnel will withdraw from the area. The Health and Safety Officer will determine when personnel may return to the work area.

SECTION FOUR

SECTION FOUR

EMERGENCY MEDICAL CARE

In the event of an injury or suspected chemical exposure, the first responsibility of the Health and Safety Officer will be to prevent further injury. This objective will normally require an immediate end to work until the situation is rectified. The Health and Safety Officer may order an evacuation of the work party, as discussed in Section Three of this manual.

The Health and Safety Officer's primary responsibility in the event of an accident will be evacuation, first aid, and decontamination of injured team members. The Health and Safety Officer will determine safe evacuation areas and begin first aid.

Emergency numbers can be found in the Supplemental Section of this manual. When in doubt as to which number to call, dial 9-911 on the station phone, or 911 on the commercial phone.

Accident report forms can be found on the following pages. For any accident or injury, regardless of how minor, an accident report will be filled out and presented to the proper representatives of the OICC and the Contractor.

ACCIDENT REPORT SHEET

UNDERGROUND TANK REMOVAL PROJECT

CONTRACT NO.

DATE:_____

PERSON FILING REPORT:_____

LOCATION OF ACCIDENT:_____

NATURE OF ACCIDENT: _____

PERSON/PERSONS INVOLVED:_____

_____

DESCRIPTION OF ACCIDENT:_____

_____

_____

_____

_____

_____

_____

_____

REMEDIAL ACTION TAKEN:_____

_____

_____

_____

_____

_____

_____

_____

SIGNATURE:_____

DATE:_____

ADDITIONAL

COMMENTS:_____

_____

Case or File No. _____

OMB No. 44R 1453

Supplementary Record of Occupational Injuries and Illnesses

EMPLOYER

1. Name _____

2. Mail address _____
(No. and street) (City or town) (State)

3. Location, if different from mail address _____

INJURED OR ILL EMPLOYEE

4. Name _____ Social Security No. _____
(First name) (Middle name) (Last name)

5. Home address _____
(No. and street) (City or town) (State)

6. Age _____ 7. Sex: Male_____ Female_____ (Check one)

8. Occupation _____
(Enter regular job title, *not* the specific activity he was performing at time of injury.)

9. Department _____
(Enter name of department or division in which the injured person is regularly employed, even though he may have been temporarily working in another department at the time of injury.)

THE ACCIDENT OR EXPOSURE TO OCCUPATIONAL ILLNESS

10. Place of accident or exposure _____
(No. and street) (City or town) (State)

If accident or exposure occurred on employer's premises, give address of plant or establishment in which it occurred. Do not indicate department or division within the plant or establishment. If accident occurred outside employer's premises at an identifiable address, give that address. If it occurred on a public highway or at any other place which cannot be identified by number and street, please provide place references locating the place of injury as accurately as possible.

11. Was place of accident or exposure on employer's premises? _____ (Yes or No)

12. What was the employee doing when injured? _____
(Be specific. If he was using tools or equipment or handling material, name them and tell what he was doing with them.)

13. How did the accident occur? _____
(Describe fully the events which resulted in the injury or occupational illness. Tell what happened and how it happened. Name any objects or substances involved and tell how they were involved. Give full details on all factors which led or contributed to the accident. Use separate sheet for additional space.)

OCCUPATIONAL INJURY OR OCCUPATIONAL ILLNESS

14. Describe the injury or illness in detail and indicate the part of body affected. _____
(e.g.: amputation of right index finger at second joint; fracture of ribs; lead poisoning; dermatitis of left hand, etc.)

15. Name the object or substance which directly injured the employee. (For example, the machine or thing he struck against or which struck him; the vapor or poison he inhaled or swallowed; the chemical or radiation which irritated his skin; or in cases of strains, hernias, etc., the thing he was lifting, pulling, etc.)

16. Date of injury or initial diagnosis of occupational illness _____
(Date)

17. Did employee die? _____ (Yes or No)

OTHER

18. Name and address of physician _____

19. If hospitalized, name and address of hospital _____

Date of report _____ Prepared by _____

Official position _____

SECTION FIVE

SECTION FIVE

EMERGENCY PROCEDURES

A. Response to an Emergency

In case of an injury, the Health and Safety Officer will use the appropriate first aid kit and contact off-site medical help, if appropriate.

If medical evacuation is required, the escape route will be determined by the Health and Safety Officer and the Project Inspector depending on which tank site the work force is currently operating.

B. Emergency Contacts

Ambulance, Fire : Dial 9-911 or 911

Security : Dial 2555 or 646-2555

Poison Control : Dial 9-242-7631 or 242-7631

C. Acute Exposure Symptoms and First Aid

Exposure	Symptoms	First Aid
Skin	Dermatitis	Wash immediately with soap and water, contact outside help, if required
Eye	Irritated eyes	Flush eyes with water, contact ambulance
Inhalation	Vertigo, tremor	Move person to fresh air, cover source
Ingestion	Nausea, vomiting	Call Poison control

D. Contingency Plan

The following procedures will be used in case of an unpredictable event:

FIRE: Use fire extinguisher if localized and call the fire department if uncontrolled.

CHEMICAL EXPOSURE: Follow first aid treatment specified in previous section.

PHYSICAL INJURY: Provide first aid treatment and contact ambulance for evacuation to hospital, if appropriate.

SECTION SIX

PERMITS

Permits for excavations and or trenches five feet deep or more in which workers must enter can be obtained at our local office :

CAL OSHA

1465 ENEA CIRCLE

BUILDING E SUITE 900

CONCORD, CA 94520

415-676-5333

DIVISION OF OCCUPATIONAL SAFETY AND HEALTH

DISTRICT OFFICES

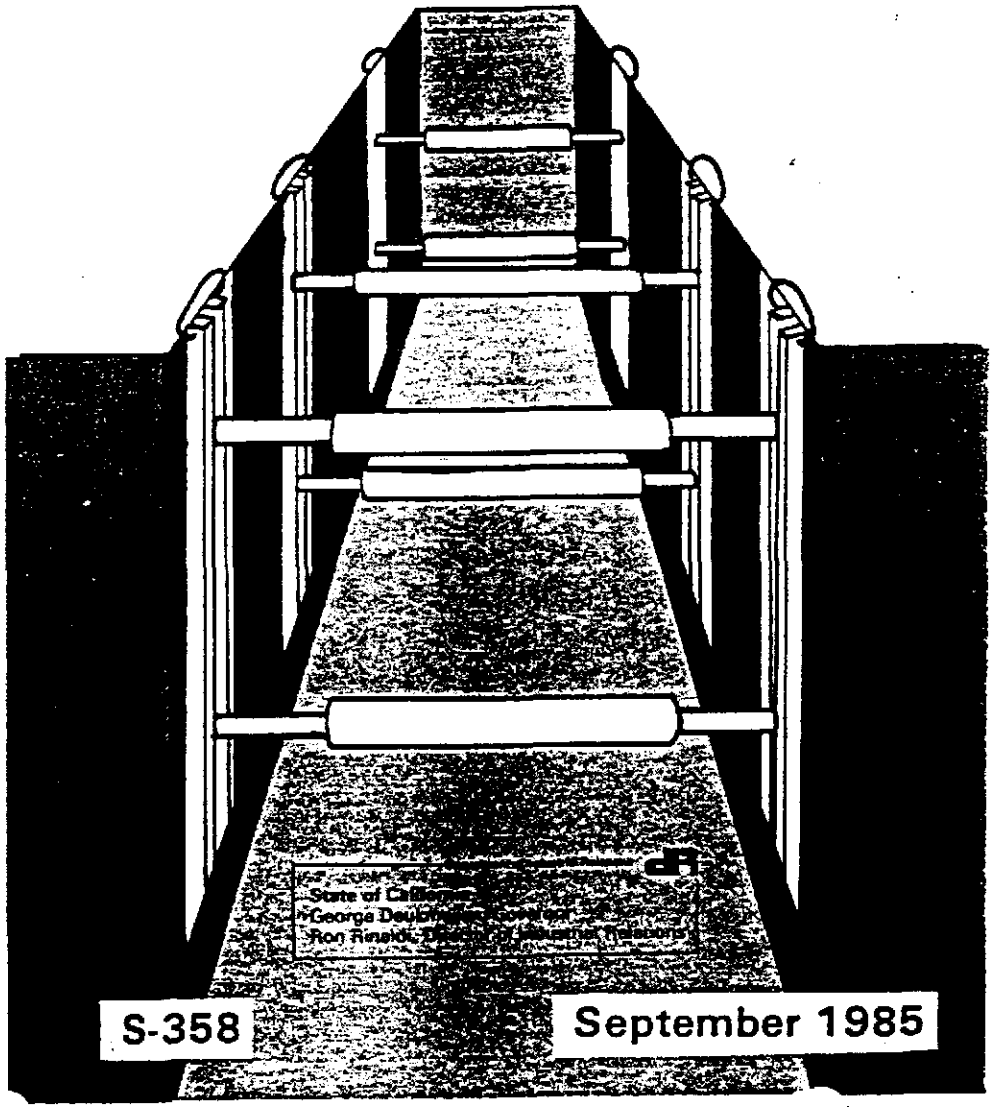
Bakersfield	4800 Stockdale Hwy.	93309	(805) 395-2718
Berkeley	1625 Shattuck Ave.	94709	(415) 540-3030
Concord	1465 Enea Circle	94520	(415) 676-5334
Covina	233 N. Second Ave.	91723	(818) 331-4875
Fresno	2550 Mariposa St.	93721	(209) 445-5302
Long Beach	245 W. Broadway	90802	(213) 590-5035
Los Angeles	3460 Wilshire Blvd.	90010	(213) 736-3041
Modesto	1800 Coffee Rd.	95355	(209) 576-6260
Redding	1421 Court St.	96001	(916) 225-2885
Sacramento	2422 Arden Way	95825	(916) 920-6123
San Bernardino	303 W. Third St.	92401	(714) 383-4321
San Diego	7807 Convoy Court	92111	(619) 237-7325
San Francisco	455 Golden Gate Ave.	94102	(415) 557-1677
San Jose	100 Paseo de San Antonio	95113	(408) 277-1260
San Mateo	1900 So. Norfolk St.	94403	(415) 572-9424
Santa Ana	28 Civic Center Plaza	92701	(714) 558-4141
Santa Fe Springs	14111 E. Freeway Dr.	90670	(213) 802-1711
Santa Rosa	50 "D" St.	95404	(707) 576-2388
Van Nuys	6150 Van Nuys Blvd.	91401	(818) 901-5403
Ventura	5720 Ralston St.	93003	(805) 654-4581
Vernon	2833 Leonis Blvd.	90058	(213) 589-5848

FIELD OFFICES

Chico	555 Rio Lindo Ave.	95926	(916) 345-7131
Eureka	619 Second Ave.	95501	(707) 442-6232
Salinas	21 W. Laurel Dr.	93906	(408) 443-3050
Santa Barbara	3704 State St.	93105	(805) 682-2578
Stockton	31 E. Channel St.	95202	(209) 948-7762
Ukiah	776 S. State St.	95482	(707) 462-8850

CAL OSHA

TRENCH and EXCAVATION SAFETY GUIDE



S-358 September 1985

CAL/OSHA Communications
525 Golden Gate Ave.
San Francisco, CA 94102

CONTENTS

TRENCH AND EXCAVATION SAFETY GUIDE

Each year workers are killed and disabled in excavation and trench cave-ins in California. Almost all of these accidents result from failure to shore or slope the trench or from inadequate shoring or sloping. This pamphlet provides guidelines based on CAL/OSHA standards for shoring, sloping, and benching. The number of cave-in accidents will be reduced if these guidelines and applicable CAL/OSHA standards are followed.

This is not a legal interpretation or a restatement of current CAL/OSHA regulations. Refer to Title 8, Sections 1503 and 1539–1547, for current regulations.

BEFORE YOU DIG

Obtain the required permit from the Division of Occupational Safety and Health (DOSH) before constructing trenches or excavations 5 feet deep or more into which a person is required to descend. Contact a DOSH District or Field office for information regarding the permit application procedure.

Determine whether any underground installations such as sewer, water, or fuel lines are likely to be encountered. You can get this information by calling the Underground Service Alert (USA): in Northern California (800) 642-2444 and in Southern California 1-(800) 422-4133.

With the exception of emergency repair work, give owners of underground facilities in the area at least 48 working hours advance notice before you begin excavation work.

SUPERVISION. All work in an excavation must be supervised by a qualified person.

HAZARDS

Remove trees, poles, boulders, and similar objects which may be hazardous to workers.

Do not allow work in or near the excavation until a qualified person has determined that no hazard to workers exists from possible moving ground.

Inspect excavations after rainstorms, thaws, or other events which may affect the stability of the soil and increase hazards before workers are allowed to enter the excavation.

Protect workers who enter excavations 5 feet deep or more with a system of shoring, sloping, benching, or equivalent alternative methods. When necessary, provide similar protection for workers in excavations less than 5 feet deep.

SPOIL. Dump excavated material far enough from the edge of the trench so that it does not fall back. When trenches are 5 feet deep or more, locate the spoil at least 2 feet from the edge. Do not contain the spoil by any method which will disturb the soil already in place (such as driving stakes).

ACCESS. Provide a safe and convenient way for workers to enter and leave the excavation. In trenches 4 feet deep or more, provide a safe means of access within 25 feet of any work area in the excavation.

CROSSINGS. Install crossings with standard guardrails and toeboards when the excavation is more than 7½ feet deep.

UNDERMINING. Do not excavate beneath the level of the base of an adjacent foundation, retaining wall or other structure until a qualified person has determined that the earth work will not create a hazard to workers. Support undermined sidewalks so they will support anticipated loads.

If the excavation endangers the stability of adjoining structures, shore, brace, or underpin those structures.

RETAINING WALLS. Do not use an existing wall or structure as a retaining wall until it has been determined that it will safely support expected loads.

REMOTE WORK LOCATIONS. Provide barriers to prevent workers from falling into excavations.

Barricade or securely cover all wells, pits, shafts, and caissons.

Backfill temporary wells, pits, and shafts when the operation is completed.

WATER ACCUMULATION. Use diversion ditches, dikes, and other effective methods to prevent water from entering the excavation and to drain surrounding areas.

VIBRATIONS OR SUPERIMPOSED LOADS. Use additional bracing to strengthen shoring in excavations located near streets, railroads, or other sources of vibration and external loads. Take similar precautions when excavations are made in areas that have been previously filled.

SHORING, SLOPING, AND BENCHING SYSTEMS

Provide devices which allow the upper cross braces to be set in place from ground level. In deep trenches where additional braces are needed, workers should proceed downward, protected by cross braces already set in place. When removing shoring, use the reverse procedure.

STANDARD SHORING SYSTEM. Install shoring in accordance with Tables 1 and 2 on pages 15 and 16 and diagrams on pages 17 through 21, or according to plans prepared by a civil engineer registered in California.

Shoring must be composed of:

Solid wood sheeting or wood sheet-piling not less than 2 inches thick
Plywood at least 1⅛ inches thick
Wood uprights at least 2 inches by 8 inches
Wood braces and diagonal shores at least 4 inches by 4 inches and not subjected to compressive stress in excess of values given by the following formula:

$S = 1300 - (20L/D)$
Maximum Ratio $(L/D) = 50$
L—length, unsupported (in inches)
D—least side of the timber (in inches)
S—allowable stress (in pounds per square inch of cross section)

Wedge or cleat diagonal shores (struts) at the bulkhead end. If diagonal shores bear on the ground, they should not impose loads in excess of the test-determined soil-bearing values. (Allow for the horizontal component of force.)

Do not place diagonal shores at an angle greater than 45° from the horizontal.

Securely anchor tie rods when they are used to restrain the top of sheeting or other restraining systems.

Assume that there is full loading due to ground water when using tight sheeting or sheet piling (unless full loading is prevented by weep holes, drains, or other methods).

Provide additional stringers, ties, and bracing to allow temporary removal of individual supports.

Thickness of sheeting and spacing of shores:

Minimum Rough Thickness of Sheeting or Lagging	Maximum Spacing of Shores
2 inches	4 feet
3 inches	7 feet

TRENCH SHORING SYSTEMS. Do not slope a shored trench in excess of 15° from the vertical. Make uprights at least 2 inches in nominal thickness. Plywood panels at least ¾ inches thick may be installed behind the uprights to hold loose material not likely to impose heavy loads.

Extend uprights to the top of the trench and to within at least 2 feet of the bottom. If running soil is encountered, extend uprights to the bottom of the trench.

Cross braces—Always use at least two braces. Install one horizontal brace for each 4 foot zone or partial zone measuring 2 feet or more. Use metal screw-type trench jacks with a base on each end or timbers placed horizontally against the uprights or stringers. Hydraulic braces may also be used.

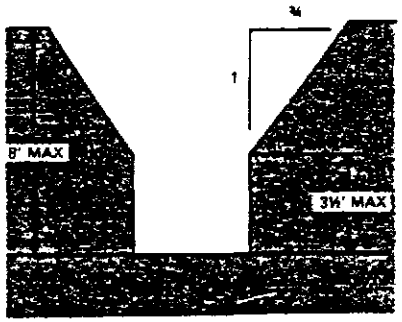
PROTECTIVE SHIELDS AND WELDING HUTS. Plans for protective shields and welding huts must be prepared by a civil engineer registered in California. Construct protective shields and welding huts out of steel or other material providing equivalent strength. They must provide protection equivalent to that afforded by adequate shoring.

BELL OR POT HOLES. Shore and brace bell and pot holes unless protective shields or welding huts are used.

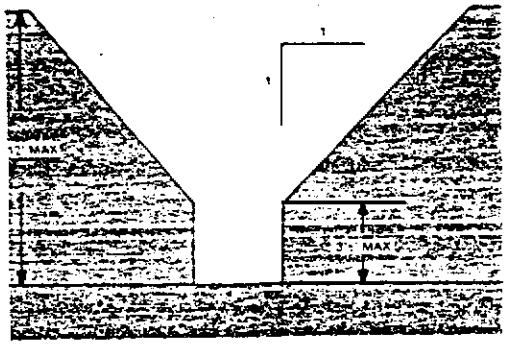
SLOPING OR BENCHING SYSTEMS. When sloping is used as a substitute for shoring, the slope should be at least ¾ horizontal to 1 vertical unless the instability of the soil requires a flatter slope.

Exceptions:

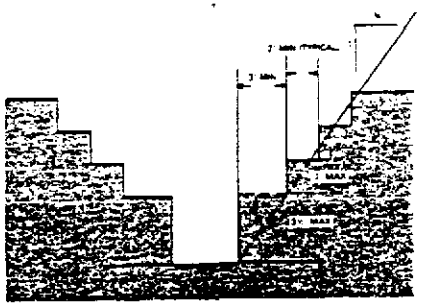
In hard, compact soil where the depth of the excavation or trench is 8 feet or less, make a vertical cut of 3½ feet with a slope of ¾ horizontal to 1 vertical.



In hard, compact soil where the depth of the excavation or trench is 12 feet or less, make a vertical cut of 3½ feet with a slope of 1 horizontal to 1 vertical.



When benching in hard, compact soil, use a slope ratio of ¾ horizontal to 1 vertical, or flatter.



SHAFTS

Retain all wells or shafts over 5 feet deep which workers are allowed to enter with lagging, spiling, or casing. Extend the lagging, spiling, or casing at least 1 foot above the ground, the full length of the shaft, and at least 5 feet into solid rock (if possible).

SMALL SHAFTS IN HARD, COMPACT SOIL. 2 inch cribbing can be used in square shafts not over 4 feet square. Cut half way through the width of the member and dovetail into position so that each member will act as a shore as well as lagging. Nail strips in the corner to prevent boards from dropping down.

SHAFTS IN OTHER THAN HARD, COMPACT SOIL. Use a system of lagging supported by braces and corner posts for square or rectangular shafts. In shafts 4 feet square or smaller, use 4 inch by 4 inch members at intervals of no more than 4 feet. Braces and corner posts in larger shafts should be correspondingly larger. The appropriate size should be determined by a registered civil engineer.

Completely lag round shafts with 2 inch material supported by adjustable rings of metal or timber at intervals of no more than 4 feet or case in a way which provides equivalent protection.

BELL EXCAVATIONS. Include the following to protect workers engaged in belling or enlarging the bottoms of shafts:

- Physical protection from potential ground movement or collapse
- Mechanical ventilation
- A line for instant rescue fastened to a shoulder harness and worn by each worker entering the shaft
- A hoist and platform for lifting and lowering workers in shafts over 50 feet deep
- Barriers to prevent materials from falling into the shaft

EARTHWORK AND EXCAVATING

Install a bench or other method of working if the height and the condition of the face pose a hazard to workers. When a bench method of operation is needed, construct a setback of at least ½ the height of the single face or bank for each section of the face or bank.

The maximum slope of the face depends on:

- The nature of the material being excavated
- The compaction of the material
- The height of the face
- The type and size of the equipment used at the face and the amount of protection this equipment affords the operator
- The safety of workers not protected by such equipment

Do not make the slope steeper than ¾ to 1 when the height of the excavation is greater than the bucket of the excavator or loader can reach and when the face is composed of loose or ravelling material.

Do not allow a slope steeper than ½ to 1 when the height of the excavation is greater than the bucket of the excavator or the loader can reach when the face is composed of material which will stand in place but which is not firmly cemented or consolidated.

OVERBURDEN

Do not allow a person under a face or bank where stripping or any other similar operation constitutes a hazard.

Use barriers, baffle boards, screens, or other devices to protect workers from material rolling or sliding down the slopes.

FACE INSPECTION AND CONTROL

Make daily inspections of faces, banks, and tops where workers are exposed to falling or rolling material, and correct any unsafe conditions. Do not allow anyone to work near an unsafe face.

Prohibit overhanging banks except:

- When material is moved by mechanical equipment with controls at a safe distance
- When the bank is undercut by a stream and the monitor is located a safe distance from the bank

When necessary, station a worker at the face who is instructed to give a warning when loose rock or other materials begin to fall. Provide this worker with the means of giving adequate warning to other workers. While the worker is assigned to this job, do not assign her/him to any other work.

Provide enough illumination for safe night work. Do not allow night work unless the working area is sufficiently illuminated so that movement of workers and equipment can be easily seen.

Keep workers away from dangerous areas that are not work areas by posting KEEP OUT signs or erecting barricades.

PROTECTION OF WORKERS AT THE FACE

Prohibit work above or below workers at the face if such work endangers their safety.

On top of the bank:

- Fence with guardrails or ropes.
- Use a railed platform.
- Have workers use safety belts and life lines.

Exceptions:

When the bank is less than 20 feet high
When the slope is flatter than ¾ to 1
When no work is being done within 10 feet of the edge

On the face:

Remove loose rock from over the working place.

Have workers use safety belts and life lines.
(Life lines used for scaling or inspection should be protected from excessive fraying or damage and made of a minimum of ⅞ inch wire core manila rope.)

Use portable staging.

Use a boatswains chair or skips especially designed for faces. (When using a boatswains chair, also use a safety belt and life line equipped with an effective descent control.)

Assign two or more workers cooperating with each other for drilling, blasting, or removing loose rock.

At the foot of the bank:

Remove loose rock from above the working place.

Maintain a ready exit to a place of safety.

Tables containing specifications for wood shoring and for shoring in running soils are printed in the Safety Orders. This table (1) and the table on the following page (2) cover the most common shoring materials and soil conditions.

TABLE 1

METAL-WOOD SHORING FOR HARD COMPACT SOIL

	UPRIGHTS		BRACES (STRUTS) AT 8' ON CENTERS				STRINGER
			ALUMINUM PIPE		STD. STEEL PIPE		
DEPTH (FEET)	HORIZ. SPACING (FEET)	WOOD SIZE (INCHES)	MIN. ID (INCHES)	MAX. EXCAV. WIDTH (FEET)	MIN. ID (INCHES)	MAX. EXCAV. WIDTH (FEET)	(WALER) (WOOD) SIZE
5	8	3×8	2½ (3½)	8 (10)	1½	3	
to	4	2×10	2½ (3½)	8 (14)	1½	3	4×4
7	2	2×8	2½ (3½)	8 (20)	1½	3	4×4
Over 7	8	4×10	2½ (3½)	6 (8)	2	6	
to	4	3×10	2½ (3½)	9 (11)	2½	12	6×8
10	2	3×8	2½ (3½)	12 (16)	3	15	6×8
Over 10	8	6×8	2½ (3½)	6 (7)	2 (2½)	8 (12)	
to	4	4×8	2½ (3½)	8 (10)	2 (2½)	10 (11)	8×8
12	2	3×8	2½ (3½)	10 (15)	2½ (3)	13 (15)	8×8
Over 12	8	6×8	2½ (3½)	5 (6)	2 (2½)	6 (10)	
to	4	4×10	2½ (3½)	7 (9)	2 (2½)	8 (12)	8×10
15	2	3×10	2½ (3½)	9 (13)	2½ (3)	13 (15)	8×10
Over 15	8	6×10	2½ (3½)	4 (5)	2½ (3)	8 (12)	
to	4	4×12	2½ (3½)	6 (8)	2½ (3)	10 (15)	6×12
20	2	3×12	2½ (3½)	8 (11)	2½ (3)	12 (15)	6×12
Over 20	See Section 1541(a)(6)						

- Metal pipe braces must be schedule 40, standard steel pipe or equivalent.
- Timber must be "selected lumber". See CSO 1504.
- Timber members of equivalent "section modulus" may be used for uprights and stringers shown in these tables.
- See page 17 for screw jack installation.
- Numbers in parentheses indicate maximum safe span for a specified diameter pipe.
- Tables may be modified by a civil engineer. See CSO 1541 (a) (6).
- Metal sheeting or other material equivalent to the strength of the wood members may be used.
- Place stringers to develop maximum strength (long side horizontal).

TABLE 2
HYDRAULIC SHORING, FOR HARD COMPACT SOIL

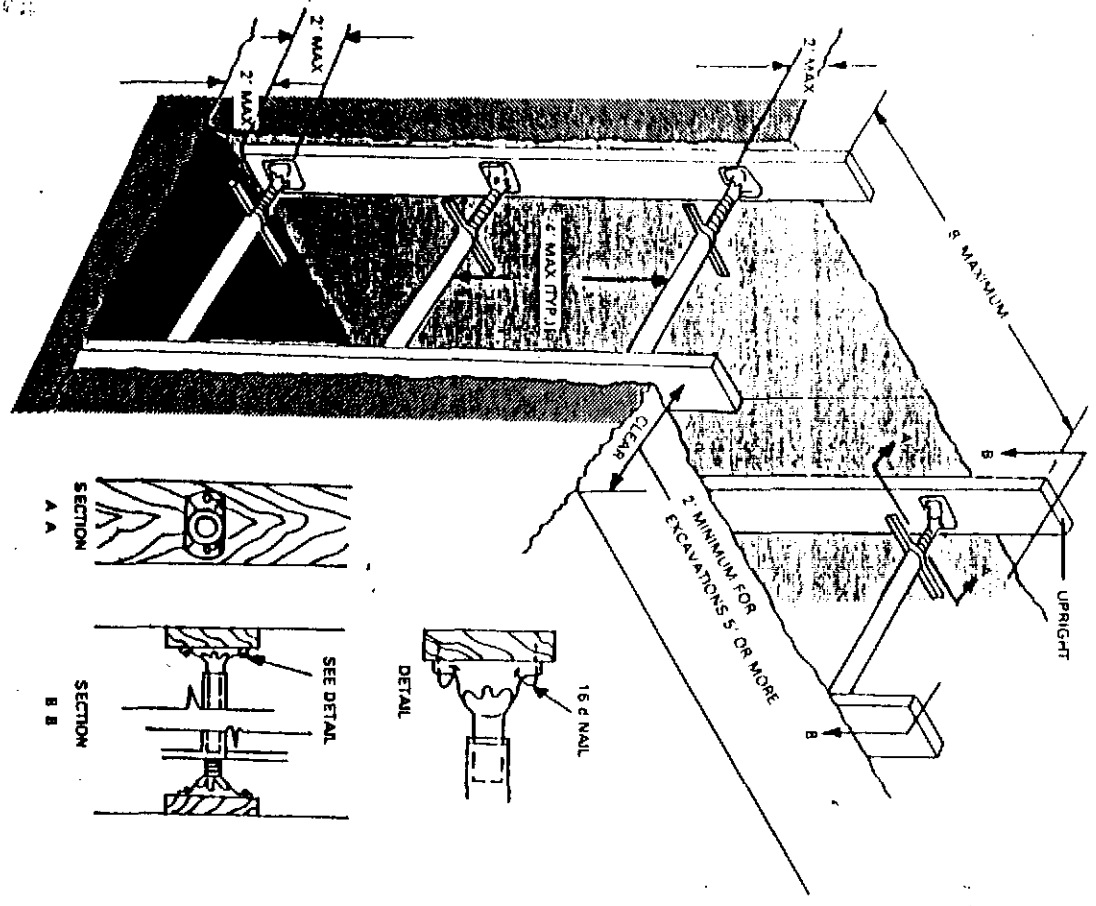
DEPTH (FEET)	UPRIGHTS HORIZONTAL SPACING (FEET)	UPRIGHTS SIZE ALUMINUM RAIL	STRINGERS (WALER) SIZE ALUMINUM RAIL	STRINGERS (WALER) VERTICAL SPACING (FEET)	BRACES (STRUTS) HYDRAULIC CYLINDERS	BRACES (STRUTS) HORIZ. SPACING (FEET)	MAX EXCV WIDTH (FEET)	
5 to 7	8	8" Wide Standard	6" Wide Standard	5	2" ID-2½" OD	8 cc	12	20
	*	***	***					**
Over 7 to 12	8	8" Wide Standard	6" Wide Standard	5	2" ID-2½" OD	8 cc	9	20
	*	***	***					**
Over 12 to 18	6	8" Wide Standard or	6" Wide Standard or	5	2" ID-2½ OD	6 cc	9	20
	*	HD	8" Wide HD	5	2" ID-2½" OD			**
Over 18 to 20	6	8" Wide Standard or	6" Wide Standard or	4	2" or 3" ID or	4 cc	9	20
	*	HD	8" Wide HD	4	2½" or 3½" OD			**

Over 20 See Section 1541(a)(6)

* Plywood may be used behind uprights.
** Use a 3½ × 3½ × 3/16" steel oversleeve to Std. 2" ID. No steel oversleeve required on 3" ID.
*** See Hydraulic Shoring Association Manual for strength of rails.

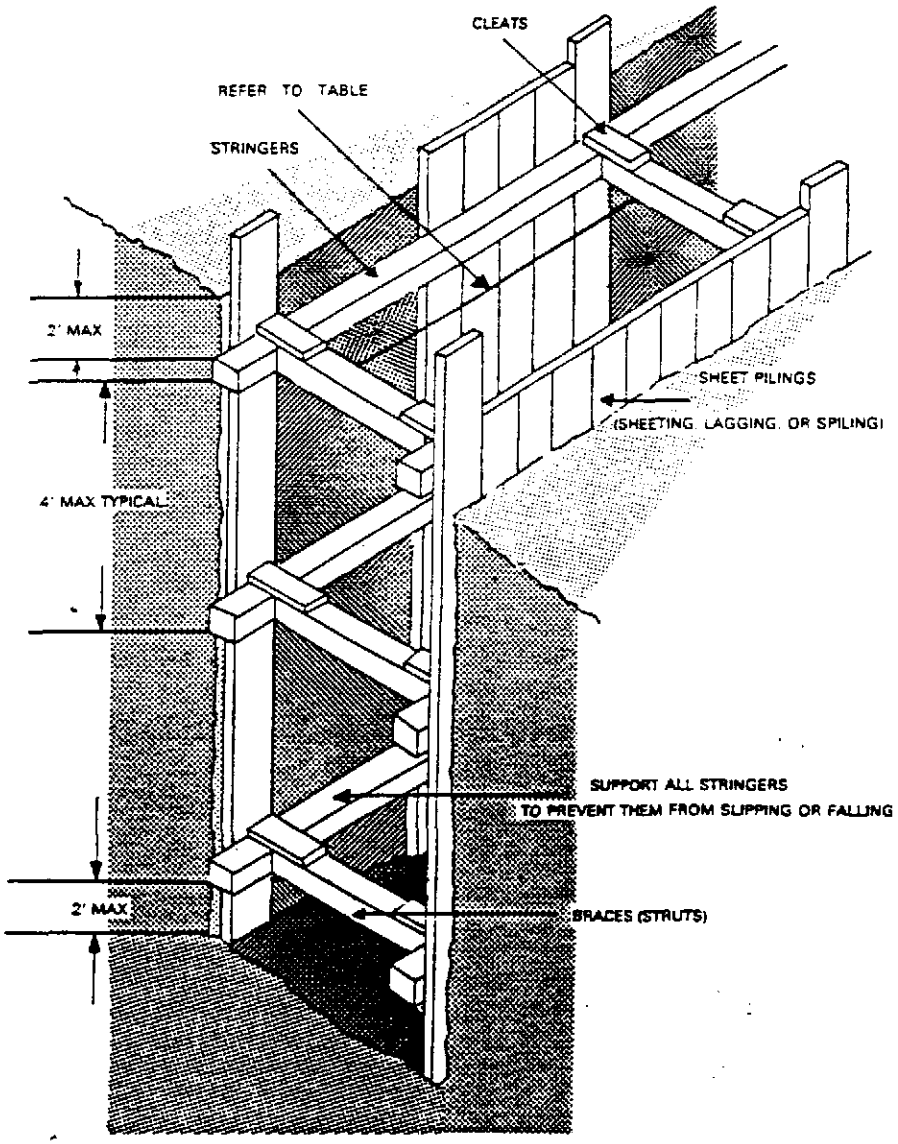
• If wooden members are used, refer to Tables 1 or 3 in GISO 1541.

• Tables may be modified by a civil engineer. See GISO 1541 (a) (6).

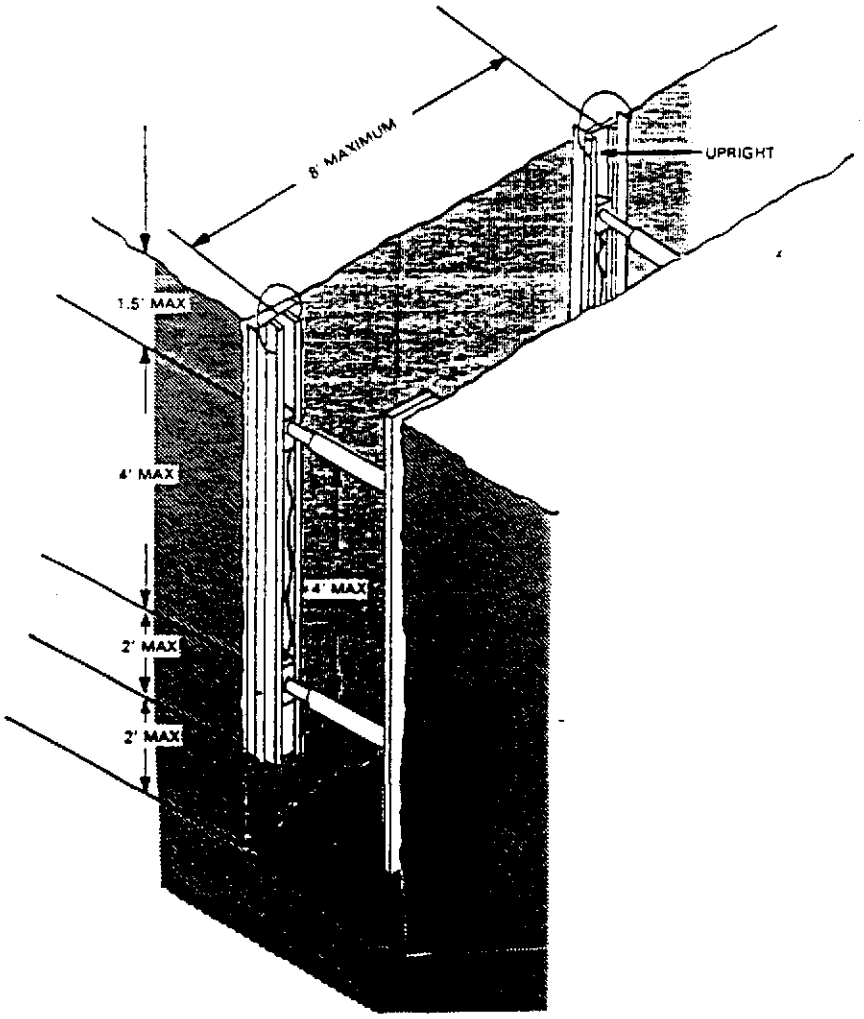


MINIMUM SHORING REQUIREMENT IN HARD COMPACT SOIL

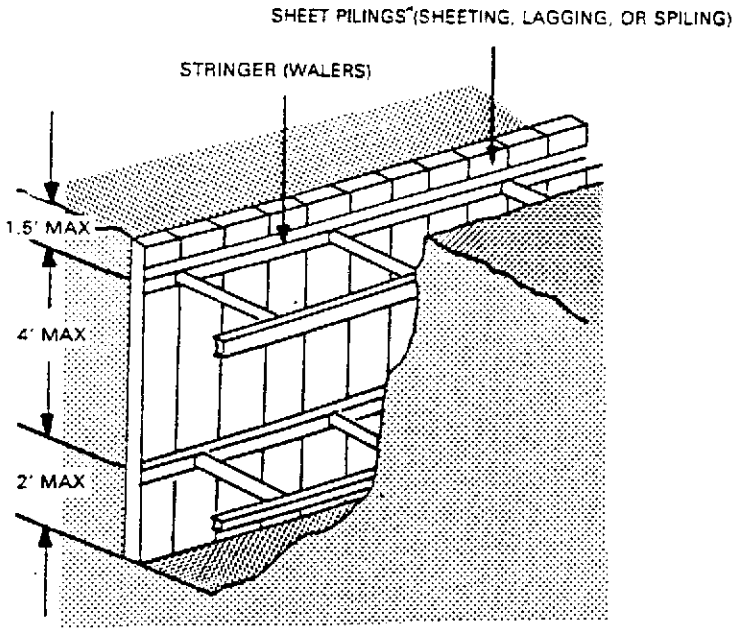
CLOSE SHEETING METHOD IN RUNNING SOIL



MINIMUM SHORING REQUIREMENT IN HARD COMPACT SOIL—HYDRAULIC



CLOSE SHEETING METHOD IN RUNNING SOIL HYDRAULIC



TYPICAL INSTALLATION IN HARD COMPACT SOIL— HYDRAULIC

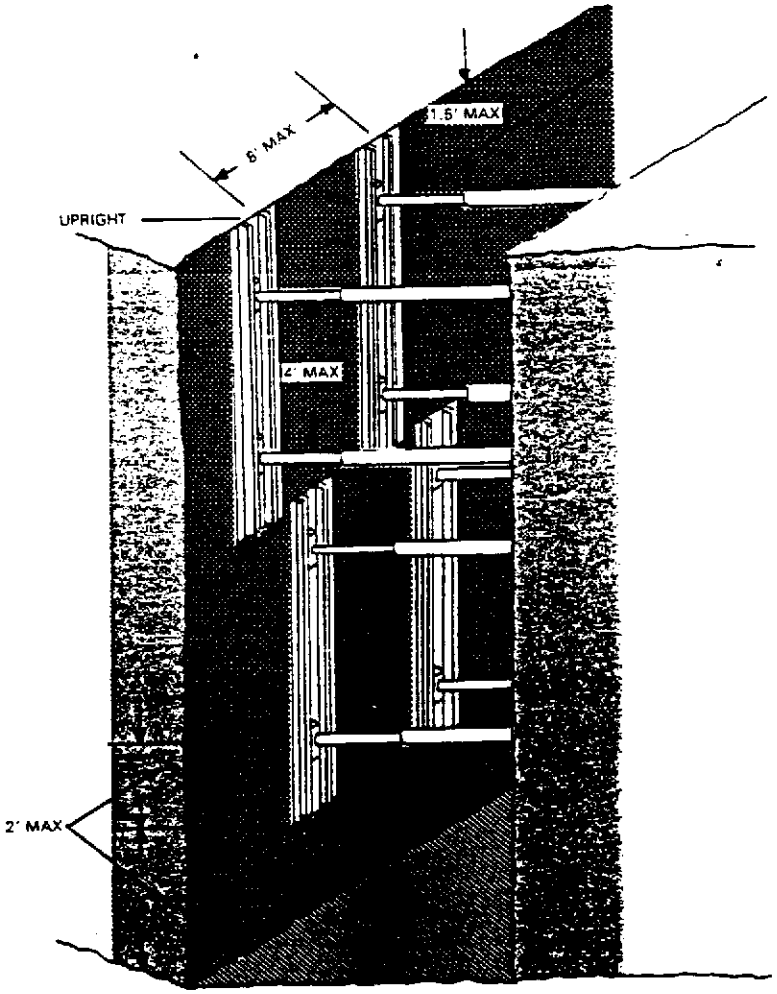


TABLE #2
REVISED 10 AUGUST 1990

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, 624 or 8260 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	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Jet Fuel	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
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, Ni 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)

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 material 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 extractible 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. TETRAETHYLLEAD (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 for 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 which 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 in °C/minute, and
    the final temperature.

12. REPORTING LIMITS FOR TPH are: gasoline standard ≤ 20 carbons, diesel and jet fuel (kerosene) standard ≤ 50 carbons. 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 reformulated 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 questions about the methodology, please call your Regional Board representative.

SUPPLEMENTAL SECTION

91 FEB -6 AM 11:17

SITE SPECIFIC HEALTH AND SAFETY PLAN

PROJECT:

Quality Tune Up
2780 Castro Valley Blvd
Castro Valley Ca

SOILS INVESTIGATION, AIR MONITORING, ENGINEER:

Haseman Aguiar
3732 Mt Diablo Blvd
Lafayette, Ca 94549 Ph. 284-1661

AIR, SOIL, AND PERSONNEL MONITORING WILL BE PROVIDED BY THE SOILS INVESTIGATION FIRM NAMED ABOVE THRU THE USE OF A GASTECH MONITORING DEVICE. INSTRUMENTATION AND CALIBRATION DATA CAN BE PROVIDED UPON REQUEST FOR EACH UNIT.

AN UNDERGROUND TANK REMOVAL PERSONAL PROTECTIVE EQUIPMENT KIT WILL BE ON SITE WITH THE FOLLOWING ITEMS: FIT TESTED RESPIRATORS AND DISPOSABLE COVERALLS. THESE WILL BE AVAILABLE FOR ON SITE EMPLOYEES. DOCUMENTATION FOR SITE WORKERS TRAINING TO MEET 29CFR 1910.120 CAN BE FOUND IN THIS SECTION ALSO. VISITORS WITHOUT PROOF OF THIS TRAINING WILL BE DETAINED IN THE SAFE ZONE.

SITE HEALTH AND SAFETY PLAN

SIGN IN SHEET

I have read, understand, and will comply with the site Health and Safety plan for the following project:

Quality Tune Up
2780 Castro Valley Blvd
Castro Valley Ca

signed:

_____ date: _____

Contractor:

Minter & Fahy Construction Company, Inc.

411 N. Buchanan Circle #2

Pacheco, CA 94553

415-674-8800

RESPIRATOR TRAINING AND FIT TEST CERTIFICATION

Photo of Employee During Fit Test (optional)

Employee: Matthew W. Minter

Work Area(s): Hazardous waste site work

Company: Minter & Fahy Construction

Date: 4-27-90

Type of Respirator(s): Brand & Model:

Size: WILSON M ½ face air purifying

Conditions of Use: To protect against soil and water contaminants on hazardous waste sites. Site safety and health plan will specify cartridge and when respirators must be worn.

Estimated Frequency of Cartridge/Filter or Disposable Respirator Replacement: Cartridges to be replaced upon evidence of breakthrough, daily, or as directed in site safety and health plan.

Emergency Procedures: If cartridge breakthrough or high monitoring results: leave work area immediately. Reenter as directed by supervisor and site safety officer.

I understand that I am responsible for:

- Regular use of my respirator whenever there is possibility I may be exposed to air contaminants
- Cleaning, inspection and proper storage of my respirator at the end of each workday
- Reporting respirator malfunction to my supervisor

562-02-8353
Social Security Number

Matthew W. Minter
Employee Signature

TRAINING

- [X] Respirator Use
- [X] How to fit
- [X] Cleaning
- [X] Inspection
- [X] Maintenance
- [X] Types & Levels of Contaminants

This is to certify that I have been trained in the above (X) areas.

4-27-90
Date

Matthew W. Minter
Employee Signature

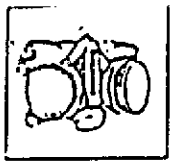
FIT TESTING RECORD

This is to certify a fit test in an "atmosphere" of isoamyl acetate was performed and passed:

4-27-90
Date

Check

Colin Donaldson
Approval



RESPIRATOR TRAINING AND FIT TEST CERTIFICATION

Photo of Employee During Fit Test (optional)

Employee: JAMES L. MINTER

Work Area(s): Hazardous waste site work

Company: MINTER & FAHY CONST.

Date: 4/27/90

Type of Respirator(s): Brand & Model: WILSON M/S face air purifying

Size:

Conditions of Use: To protect against soil and water contaminants on hazardous waste sites. Site safety and health plan will specify cartridge and when respirators must be worn.

Estimated Frequency of Cartridge/Filter or Disposable Respirator Replacement: Cartridges to be replaced upon evidence of breakthrough, daily, or as directed in site safety and health plan.

Emergency Procedures: If cartridge breakthrough or high monitoring results: leave work area immediately. Reenter as directed by supervisor and site safety officer.

I understand that I am responsible for:

- Regular use of my respirator whenever there is possibility I may be exposed to air contaminants
- Cleaning, inspection and proper storage of my respirator at the end of each workday
- Reporting respirator malfunction to my supervisor

542-54-8445
Social Security Number

James L Minter
Employee Signature

TRAINING

- [X] Respiratory Use
- [X] How to fit
- [X] Cleaning
- [X] Inspection
- [X] Maintenance
- [X] Types & Levels of Contaminants

This is to certify that I have been trained in the above (X) areas.

4/27/90
Date

James L Minter
Employee Signature

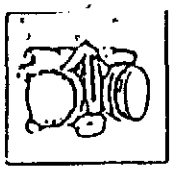
FIT TESTING RECORD

This is to certify a fit test in an "atmosphere" of isoamyl acetate was performed and passed:

4-27-90

Che

Galen Donaldson
Approval



RESPIRATOR TRAINING AND FIT TEST CERTIFICATION

Photo of Employee During Fit Test (optional)

Employee: William L. Thweatt

Work Area(s): Hazardous waste site work

Company: Minter & Fahy Construction

Date: May 4, 1990

Type of Respirator(s): Brand & Model:

Size: Wilson M. ½ face air purifying

Conditions of Use: To protect against soil and water contaminants on hazardous waste sites. Site safety and health plan will specify cartridge and when respirators must be worn.

Estimated Frequency of Cartridge/Filter or Disposable Respirator Replacement: Cartridges to be replaced upon evidence of breakthrough, daily, or as directed in site safety and health plan.

Emergency Procedures: If cartridge breakthrough or high monitoring results: leave work area immediately. Reenter as directed by supervisor and site safety officer.

I understand that I am responsible for:

- Regular use of my respirator whenever there is possibility I may be exposed to air contaminants
- Cleaning, inspection and proper storage of my respirator at the end of each workday
- Reporting respirator malfunction to my supervisor

551-72-3986
Social Security Number

William L Thweatt
Employee Signature

TRAINING

- [X] Respirator Use
- [X] How to fit
- [X] Cleaning
- [X] Inspection
- [X] Maintenance
- [X] Types & Levels of Contaminants

This is to certify that I have been trained in the above (X) areas.

5-4-90
Date

William L Thweatt Jr.
Employee Signature

FIT TESTING RECORD

This is to certify a fit test in an "atmosphere" of isoamyl acetate was performed and passed:

5-4-90

Check

Matthew M. Minter
Over

RESPIRATOR TRAINING AND FIT TEST CERTIFICATION

Photo of Employee During Fit Test (optional)

Employee: John F. Fahy

Work Area(s): Hazardous waste site work

Company: Minter & Fahy Construction

Date: May 04, 1990

Type of Respirator(s): Brand & Model: Wilson M. ½ face air purifying

Size:

Conditions of Use: To protect against soil and water contaminants on hazardous waste sites. Site safety and health plan will specify cartridge and when respirators must be worn.

Estimated Frequency of Cartridge/Filter or Disposable Respirator Replacement: Cartridges to be replaced upon evidence of breakthrough, daily, or as directed in site safety and health plan.

Emergency Procedures: If cartridge breakthrough or high monitoring results: leave work area immediately. Reenter as directed by supervisor and site safety officer.

I understand that I am responsible for:

- Regular use of my respirator whenever there is possibility I may be exposed to air contaminants
- Cleaning, inspection and proper storage of my respirator at the end of each workday
- Reporting respirator malfunction to my supervisor

555-92-0724
Social Security Number

[signature]
Employee Signature

TRAINING

- [X] Respirator Use
- [X] How to fit
- [X] Cleaning
- [X] Inspection
- [X] Maintenance
- [X] Types & Levels of Contaminants

This is to certify that I have been trained in the above (X) areas.

May 04 1990
Date

[signature]
Employee Signature

FIT TESTING RECORD

This is to certify a fit test in an "atmosphere" of isoamyl acetate was performed and passed:

Check

[signature]
Approval

Certificate

This is to certify that:

MATTHEW W. MINTER

has received eight hours of training as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120(e)] consistent with the function and responsibilities of:

Supervising Operations at Hazardous Waste Sites

MAY 2, 1990

Date

James T. Dufour, Attorney at Law
Certified Industrial Hygienist
American Board of Industrial Hygiene
Certificate No. 1068

Certificate

This is to certify that:

MATTHEW W. MINTER

has received training as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120(e)] consistent with the function and responsibilities of:

Investigation and Remedial Actions at Hazardous Waste Sites

This training level has been achieved by a combination of on-the-job training, work experience, prior safety training, and satisfactory completion of a comprehensive training program under my direction. This is the equivalent of 40 hours of initial and three days of supervised, actual field experience.

MAY 2, 1990

Date

James T. Dufour, Attorney at Law
Certified Industrial Hygienist
American Board of Industrial Hygiene
Certificate No. 1068

Certificate

This is to certify that:

JOHN F. FAHY, JR.

has received training as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120(e)] consistent with the function and responsibilities of:

Investigation and Remedial Actions at Hazardous Waste Sites

This training level has been achieved by a combination of on-the-job training, work experience, prior safety training, and satisfactory completion of a comprehensive training program under my direction. This is the equivalent of 40 hours of initial and three days of supervised, actual field experience.

MAY 2, 1990

Date

James T. Dufour, Attorney at Law
Certified Industrial Hygienist
American Board of Industrial Hygiene
Certificate No. 1068

Certificate

This is to certify that:

LES MINTER

has received training as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120(e)] consistent with the function and responsibilities of:

Investigation and Remedial Actions at Hazardous Waste Sites

This training level has been achieved by a combination of on-the-job training, work experience, prior safety training, and satisfactory completion of a comprehensive training program under my direction. This is the equivalent of 40 hours of initial and three days of supervised, actual field experience.

MAY 2, 1990

Date

James T. Dufour, Attorney at Law
Certified Industrial Hygienist
American Board of Industrial Hygiene
Certificate No. 1068

Certificate

This is to certify that:

WILLIAM L. THWEATT, JR.

has received training as specified in the OSHA Hazardous Waste Operations and Emergency Response Standard [29 CFR 1910.120(e)] consistent with the function and responsibilities of:

Investigation and Remedial Actions at Hazardous Waste Sites

This training level has been achieved by a combination of on-the-job training, work experience, prior safety training, and satisfactory completion of a comprehensive training program under my direction. This is the equivalent of 40 hours of initial and three days of supervised, actual field experience.

MAY 2, 1990

Date

James T. Dufour, Attorney at Law
Certified Industrial Hygienist
American Board of Industrial Hygiene
Certificate No. 1068

HAGEMAN-AGUIAR, INC.

Underground Contamination Investigations
Groundwater Consultants, Environmental Engineering

3732 Mt. Diablo Blvd. Suite 372
Lafayette, California 94549
(415) 284-1661
FAX (415) 284-1664

January 8, 1991

Mr. Scott Seery
Alameda County Health Services Agency
Department of Environmental Health
Hazardous Materials Program
80 Swan Way, Room 200
Oakland, CA 94621

Re: Mr. Larry Armstrong
Quality Tune-Up Shops - Side B Corporation
286 E. Hamilton Avenue
Campbell, CA 95008
WORK PLAN - [redacted]

Dear Scott:

This is just a note to confirm our telephone conversation of yesterday (1-7-92) concerning the subject site. As we discussed yesterday, Mr. Armstrong has contracted Hageman-Aguiar, Inc. to prepare the requested work plan for the Preliminary Site Assessment for this location. We would appreciate your giving us an extension on the due date until January 20, 1992. This extension will allow us an opportunity to evaluate all the existing data on the site and prepare a proposal for the preliminary site assessment.

Please advise us of your approval on the request for the extending of the due date.

Thanks for your cooperation in this matter.

Sincerely,

Byron Hageman

HAGEMAN-AGUIAR, INC.

Underground Contamination Investigations
Groundwater Consultants, Environmental Engineering

3732 Mt. Diablo Blvd. Suite 372
Lafayette, California 94549
(510) 284-1661
FAX (510) 284-1664

FAX TRANSMISSION COVER SHEET

DATE 1-8-92 TIME 9:05 AM

TO MR. Scott Sperry

COMPANY ALCO HAZMAT

FAX # 568-3706

VOICE #

SENDER Bruce Hageman - Hageman-Aguiar, Inc.

YOU SHOULD RECEIVE 2 PAGES, INCLUDING COVER SHEET.

IF YOU DO NOT RECEIVE ALL PAGES,
PLEASE CALL SENDER AT (510)284-1661.

COMMENTS:

USTs removed?
Tests ever performed?
Reports?
Leaks/contamination?

Quality TUNE-UP SHOPS

S-10 SS #30 Castro Valley

October 20, 1986

LG, BANKS

RECEIVED
OCT 23 1986
ENVIRONMENTAL HEALTH
ADMINISTRATION

Environmental Health Department
470-27th Street RM 324
Oakland, CA 94612

Attention: Ted Grow

Gentlemen:

This letter is to confirm our understanding of individual telephone conversations with Jon Vinding, our Franchisee in Castro Valley, concerning underground storage tanks.

As stated, our proposal is to discontinue use (with subsequent removal) of an underground oil storage tank that is probably many years old. We will convert a former gasoline storage tank that was installed new several years ago to use as the waste oil tank. That tank will be properly monitored with a device that will be pre-approved by the proper authorities (your departments or others).

At the same time the waste oil tanks are removed, two unused older gasoline tanks will also be removed. A contract has been set with 4-M Construction to do all of the tank removal and restore the surfaces. The Contractor has been contacted and asked to complete the work as soon as possible.

We would like to thank you for your assistance in this matter. It will allow use of an almost new tank and greatly reduce the disruption required to Jon's business.

Thank you again for your assistance and we assure you of our full cooperation in completing required changes.

Sincerely,

QUALITY TUNE-UP SHOPS

Larry Armstrong

LGA:ba
copy: J. Vinding-Castro Valley

RECEIVED
OCT 23 1986
ENVIRONMENTAL HEALTH
ADMINISTRATION