

ALAMEDA COUNTY  
HEALTH CARE SERVICES



AGENCY  
DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, DIRECTOR

April 9, 1996

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

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Ballena Isle Marina Facility, located at 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

Recently, at the County's request, one soil sample was collected from approximately 2 cubic yards of stockpiled soil resulting from the 250-gallon waste oil tank pit at the above site. This sample was analyzed for Total Petroleum Hydrocarbons as diesel (TPHd), benzene, toluene, ethylbenzene, and xylenes (BTEX), and heavy metals. Although no BTEX and only low levels of heavy metals were identified in this sample, TPHd was identified at 1,300 parts per million (ppm).

Per Clayton Environmental's April 3, 1996 fax, you have requested permission to reuse this soil to backfill the waste oil tank pit. Based on the shallow groundwater at the site and the proximity of this tank pit to the Bay, this soil may only be backfilled into the tank pit if it is placed far enough above the water table (i.e., no deeper than 2.5 feet below ground surface), and a permanent cap is placed over it to prevent exposure to the surface.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Juliet Shin".

Juliet Shin  
Senior Hazardous Materials Specialist

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Acting Chief-File



# FAX COVER SHEET

## BALLENA ISLE MARINA

Ballena Bay Yacht Harbor  
1150 Ballena Boulevard  
Alameda, California 94501  
(415) 523 5528

From Fax: (510) 865-2257

TELECOPY TO: ALAMEDA COUNTY HEALTH CARE SERVICES  
 ATTENTION: JULIET SHIN  
 FAX NUMBER: (510) 337-9335  
 FROM: DON ANDERSON  
 SUBJECT: UNDERGROUND STORAGE TANK.

The information contained in this facsimile is intended only for the use of the individual or entity to which it is addressed and may be privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivery to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this facsimile in error, please notify us immediately by telephone and return the original to us at the above address via U.S. Postal service. Thank you.

MESSAGE: JULIET, FORWARDED FOR YOUR RECORDS IS  
THE INVOICE FOR THE DISPOSAL OF THE UNDERGROUND  
TANK REMOVED IN 1991  
IF I CAN BE OF FURTHER ASSISTANCE  
PLEASE DO NOT HESITATE TO CALL ME  
I AM ALSO ENCLOSED THE PERMIT FROM THE  
CITY OF ALAMEDA.  
 TOTAL PAGES (including cover sheet) 3

Sent by: Don Date: 1-31-96 Time: 4:50 a.m. [ ]  
 p.m. [x]

If you did not receive all of the above pages, please call at (510) 523-5528. Thank you.



FROM:

OSCAR E. ERICKSON, INC.  
255 PARR BOULEVARD  
RICHMOND, CA 94801  
(510) 235-1393

TO:

2247

BALLENA ISLE MARINA  
1150 BALLENA BLVD. SUITE 111  
ALAMEDA, CA 94501

SITE: N/A

# INVOICE

PAGE 1

PLEASE REMIT TO:

255 PARR BOULEVARD  
RICHMOND, CA 94801

INVOICE NO.	76418-0-00
INVOICE DATE	10/08/91
CONTRACT NO.	-
RELEASE NO.	-
TERMS	NET 30 DAYS

SALESPERSON: DS      JOB END DATE: 10/01/91      JOB DESCRIPTION: TRANSPORT & DISPOSE OF 1-550 GAL. W.O. & DELIVER 100 LBS. OF DRY ICE

DESCRIPTION OF SERVICES	SHIFT	QUANTITY	UNIT	BILL RATE	*	EXTENDED AMOUNT
Non-operated Equipment & Services DRY ICE 100 LB. MIN., PER LB.		100.00	LB	.60		60.00
Non-operated Equipment & Services Subtotal						60.00*
Bid Subtotal						1,255.00*

*BIM*  
*500-163*  
*1250 3 175*  
*NR*

*Removal of oil waste tank*

NOTE: DELINQUENT ACCOUNTS ARE SUBJECT TO A CHARGE OF 1.5% PER MONTH (ANNUAL 18%)

NON-TAXABLE SUB-TOTAL	1,315.00	TAXABLE SUB-TOTAL	00	TAX RATE		SALES TAX		TOTAL INVOICE	1,315.00
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\* H - SUBJECT TO HANDLING CHARGE  
T - SUBJECT TO SALES TAX

CITY OF ALAMEDA  
CENTRAL PERMITS OFFICE  
2263 Santa Clara Ave. Room 204  
Alameda, CA 94501 748-4530

Permit No: P91-6314  
Status: APPROVED

Page 1 of 1  
09/13/91 15:35

JOB ADDRESS : 1100 BALLENA BLVD  
PERMIT TYPE : PLUMBING PERMIT  
Parcel number : 074 -1025-003-00

Applied : 08/26/91  
App/Issue : 09/13/91  
FINAL :  
To Expire :  
Class code : 088  
Valuation: 1,500

Owner : CITY OF ALAMEDA  
1022 BALLENA BAY  
ALAMEDA CA 94501  
Applicant : BALLENA ISLE MARINA

HOURS OF CONSTRUCTION  
MONDAY - FRIDAY 7 A.M. TO 7 P.M.  
SATURDAY & SUNDAY 8 A.M. TO 5 P.M.

Project Title : REMOVAL ONE UNDERGROUND TANK

*X*  
*DR*  
*Green*  
Signature

Project Desc. : REMOVAL ONE UNDERGROUND TANK

Fee description	Units	Fee/Unit	Ext fee	Data
Storage Tanks.....>	1	20.00	20.00	
Fixture Fee			20.00	
Filing Fee			6.00	
S.M.I.P Fee			.50	
Assembly Bill 941			5.00	
Micro-fiche Fee.....>	11.00		11.00	
*** Fees Required ***				***
		Fees Collected & Credits		***

Account No.	Receipt No.	Date	Payment
001-300-4220-3360	R000024	09/13/91	20.00
001-300-4240-3745	R000024	09/13/91	6.00
001-220-0000-2239	R000024	09/13/91	.50
001-300-4240-3305	R000024	09/13/91	5.00
001-300-4240-3792	R000024	09/13/91	11.00
Fees: 42.50			
Adjustments: .00			
Total Fees: 42.50			
	Total Credits:		.00
	Total Payments:		42.50
	Balance Due:		.00

*Tank  
Removal*

"NOTICE & AGREEMENT:" THERE IS A 15 DAY APPEAL PERIOD FOR ALL DESIGN REVIEW APPROVALS. I AM REQUESTING THAT THE BUILDING PERMIT BE ISSUED PRIOR TO THE EXPIRATION OF THE APPEAL PERIOD. I UNDERSTAND THAT ANY WORK STARTED BEFORE THE EXPIRATION OF THE APPEAL PERIOD IS DONE AT MY OWN RISK. I AGREE TO MAKE MODIFICATIONS TO THE PROJECT THAT MAY BE REQUIRED AS A RESULT OF THE APPEAL PROCESS.

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

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Ballena Isle Marina Facility, located at 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

This office is in the process of assessing the above site for closure consideration. However, the following is a list of some additional information that still needs to be provided to this office before the closure review process can be completed:

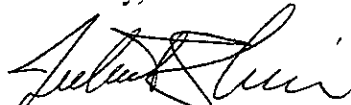
- o This office needs to know the fate of the excavated soil from the 12,000-gallon underground storage tank excavation. ✓
- o Per my conversation with Dariush Dastmalchi, Clayton Environmental, on January 31, 1996, approximately 1 cubic yard of soil was excavated from the 250-gallon waste oil tank pit and this soil is currently stockpiled on site. Based on our records, this soil was never characterized. We are requesting that you verify that only 1 cubic yard of soil was excavated from the 250-gallon waste oil tank pit, and collect at least one discreet soil sample from the stockpiled soil and analyze it for TPHd, TPHg, BTEX, TOG, and heavy metals to determine the appropriate handling of this soil.
- o Per my conversation with Mr. Dastmalchi, the 250-gallon waste oil storage tank was hauled to Erickson in Richmond. Mr. Dastmalchi stated that he had possession of invoices from Erickson confirm this fact. Please submit the invoice information to this office.

The above information needs to be provided before our office can complete case closure review for your site. Please submit this information to this office within 45 days of the date of this letter.

Mr. Don Anderson  
Re: 1150 Ballena Blvd.  
January 31, 1996  
Page 2 of 2

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

Sincerely,



Juliet Shin  
Senior Hazardous Materials Specialist

*cc*

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Acting Chief-file

September 14, 1994

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

CLAYTON ENVIRONMENTAL HEALTH  
Hazardous Materials Division  
1000 12th St. Bldg 200  
Alameda, CA 94501  
510-271-132

STID 3822

Re: Work plan for investigations at the Ballena Isle Marina  
Facility, located at 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

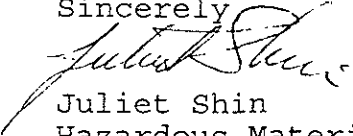
This office has reviewed Clayton Environmental's work plan, dated September 8, 1994. This work plan is acceptable to this office. As proposed in the work plan, quarterly ground water monitoring shall be conducted for a minimum of four quarters out at the site. As outlined in the County's July 19, 1994 letter, "if unacceptable levels of contaminants continue to be identified from this proposed monitoring well, one of the following actions may be required:

- o An ecological risk assessment - to assess the potential threat of observed contaminant levels on aquatic life.
- o Remediate the remaining source of ground water contamination.

However, if contaminant concentrations attenuate to acceptable levels, the site may be considered for closure."

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

Sincerely,

  
Juliet Shin  
Hazardous Materials Specialist

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Edgar Howell

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

May 10, 1994

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Work plan for 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

This office approved Clayton Environmental's work plan on March 17, 1994, for further soil and ground water investigations at the above site. This office required the implementation of this work plan by April 20, 1994. To this date the proposed work has not been conducted out at the site. Per my conversation with Dariush Dastmalchi, Clayton Environmental, on May 10, 1994, you wish to implement the proposed work in conjunction with some unrelated work on your site. Therefore, according to Mr. Dastmalchi, you will need another two weeks to coordinate the work. This office is granting you an extension for the implementation of the work plan to **May 24, 1994**.

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

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin  
Hazardous Materials Specialist

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Edgar Howell-File(JS)



May 10, 1994

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Work plan for 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

This office approved Clayton Environmental's work plan on March 17, 1994, for further soil and ground water investigations at the above site. This office required the implementation of this work plan by April 20, 1994. To this date the proposed work has not been conducted out at the site. Per my conversation with Dariush Dastmalchi, Clayton Environmental, on May 10, 1994, you wish to implement the proposed work in conjunction with some unrelated work on your site. Therefore, according to Mr. Dastmalchi, you will need another two weeks to coordinate the work. This office is granting you an extension for the implementation of the work plan to **May 24, 1994**.

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

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

March 17, 1994

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Work plan for 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

This office has reviewed Clayton Environmental's work plan, dated March 9, 1994, addressing investigations to fully characterize the remaining soil and ground water contamination at the site. This work plan is acceptable to this office with the following reminders:

- o More than six inches of soil needs to be removed from the south wall, over 2 feet if possible, before a soil sample is collected from the wall.
- o Field work shall be conducted within 45 days of the date of this letter. A report documenting the work shall be submitted to this office within 45 days after completing field activities.

The results of this investigation will determine whether the extent and severity of soil and ground water contamination has been fully characterized, and aid in determining the next required steps of investigations/remediation at the site.

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

Sincerely,

A handwritten signature in cursive script, appearing to read 'Juliet Shin'.

Juliet Shin  
Hazardous Materials Specialist

cc: Dariush Dastmalchi  
Clayton Environmental  
P.O. Box 9019  
Pleasanton, CA 94566

Edgar Howell-File(JS)



## BALLENA ISLE MARINA

Ballena Bay Yacht Harbor  
1150 Ballena Boulevard, Suite 111  
Alameda, California 94501-3682

January 21, 1994

Juliet Shin  
Alameda County Health Care Services  
UST Local Oversight Program  
80 Swan Way, Room 200  
Oakland, CA 94621

54 JAN 24 PM 2:47  
ALCO  
HAZMAT

Dear Juliet,

As a follow up to your letter of November 2, 1993, and our telephone conversation on January 10, 1994, the following work plan is hereby submitted for approval per your recommendation.

1. Two monitoring wells, 2"x10", located north and south of the former UST's and between the UST and the bay. As shown on the enclosed site plan.

2. Soil samples will be taken during the drilling operation at five (5) feet and at ten (10) feet from each well, and a water sample from each at ten (10) feet.

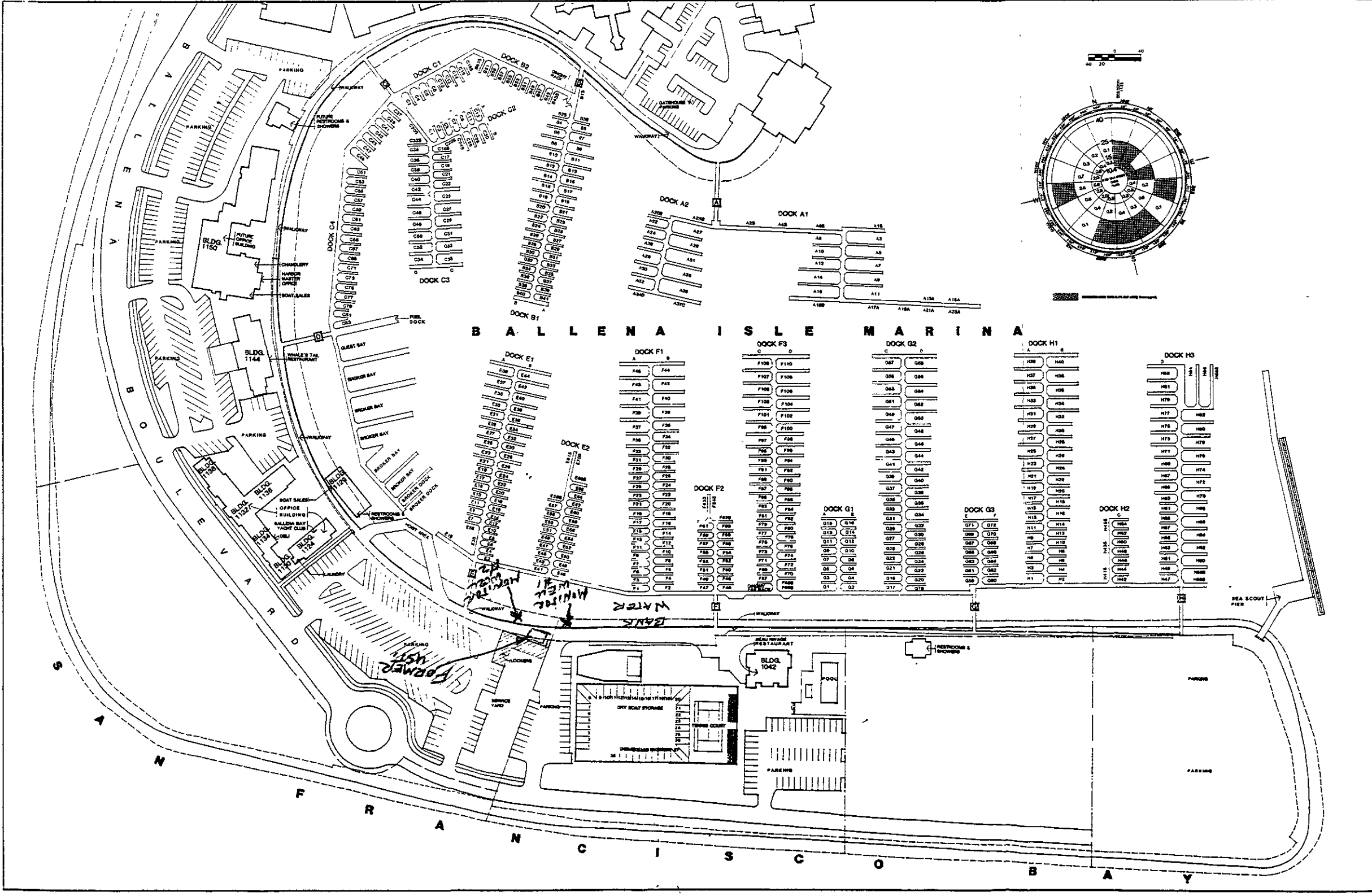
3. Great Sierra Exploration of Novato, California, the firm that installed the three monitoring wells for our two twelve thousand gallon fuel tanks last year, will oversee the above and submit the samples to a licensed laboratory for analysis under state guidelines.

4. Analysis of ground water grab samples will be submitted to your office for three additional quarters beginning April 1994.

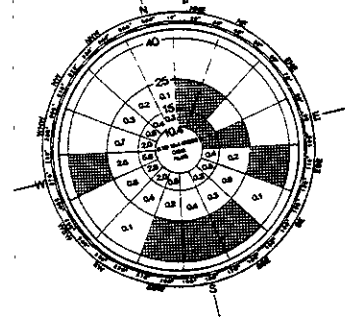
Should you have any questions on any of the above items in the work plan, please do not hesitate to call me.

Sincerely,

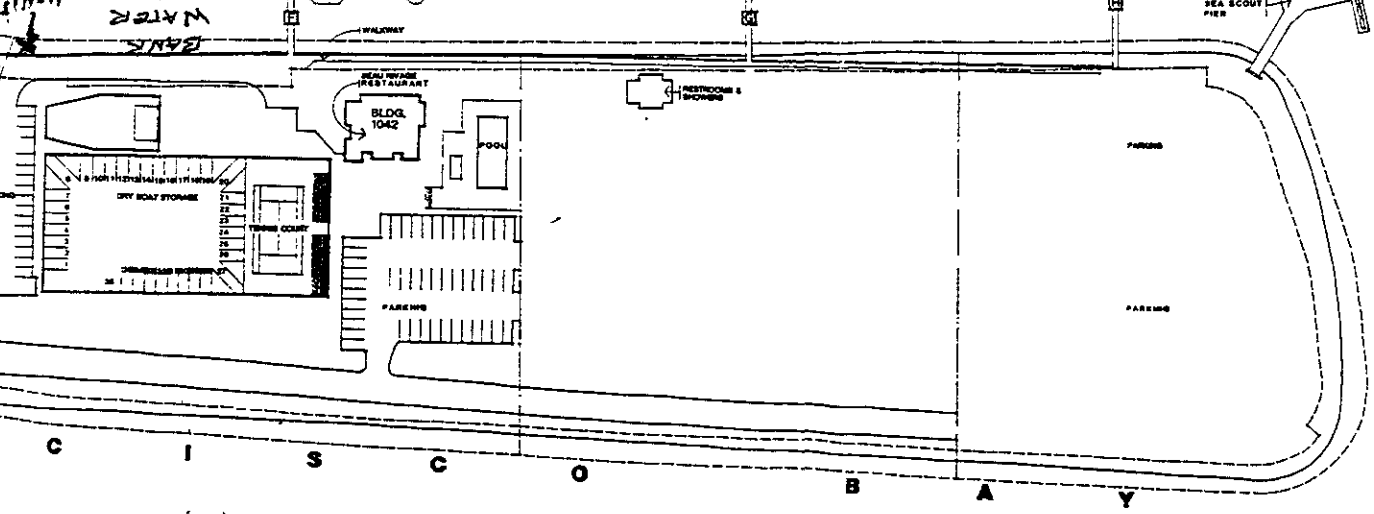
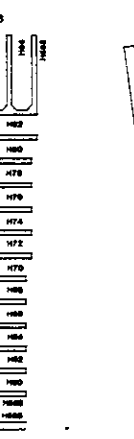
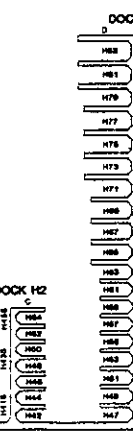
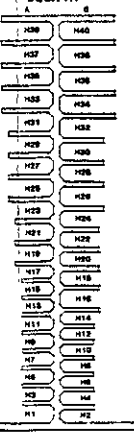
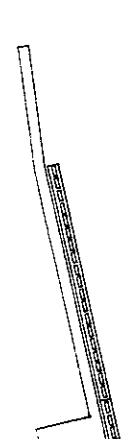
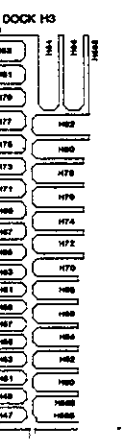
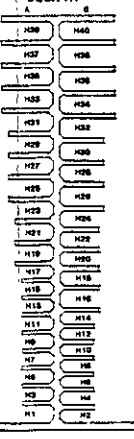
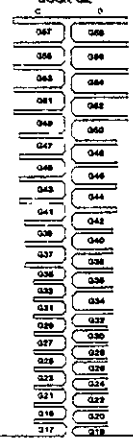
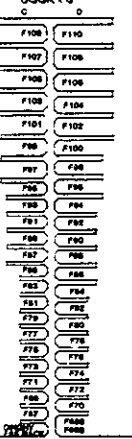
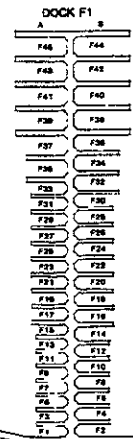
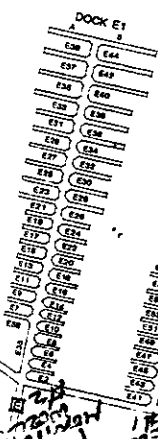
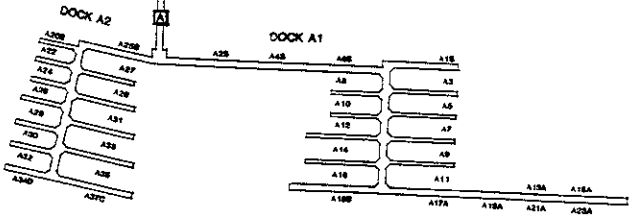
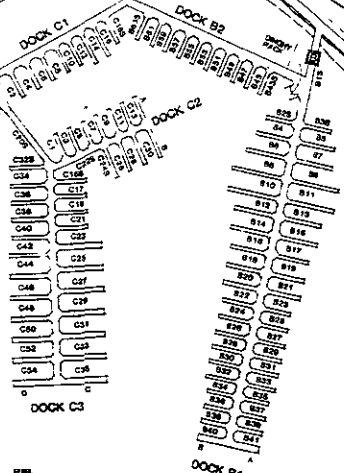
Don Anderson  
Harbormaster



0 20 40



### B A L L E N A I S L E M A R I N A



*Handwritten notes:* "WATER MARK", "BANKS", "FORMER HIGH SCHOOL", "MOTOR YARD", "DRY BOAT STORAGE", "RESTROOM & SHOWERS", "POOL", "SEA SCOUT PIER"

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

November 2, 1993

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Investigations at 1150 Ballena Blvd., Alameda, CA

Dear Mr. Anderson,

This office has received CET Environmental's Quarterly Ground water Monitoring Report for the above site, dated October 21, 1993, and the results of the grab ground water sample collected from the former waste oil tank pit. Very elevated levels of hydrocarbons were identified from the ground water sample, and levels of metals were identified exceeding Federal and State EPA drinking water standards, California Ocean Plan objectives, and EPA Saltwater Aquatic Protection Objectives. This office is concerned that these levels are impacting the Bay since the former tank pit is located adjacent to the Bay.

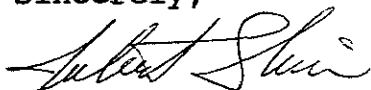
You are required to conduct further investigations to determine whether the contaminant levels being found in the tank pit are impacting the Bay. One option for determining whether the contaminants are migrating into the Bay would be to place borings between the tank pit and the shoreline and collect ground water grab samples and soil samples. A work plan addressing this work shall be submitted to this office **within 60 days** of the date of this letter. This request for a technical report is pursuant to **Section 2722, Article 11, Title 23 California Code of Regulations.**

There is a strong possibility that much of the identified contamination is the result of leaching from the elevated levels of soil contamination left on site. If it is determined that the site is impacting the Bay, you will be required to conduct some sort of remediation, such as source removal, or propose some sort of containment for the ground water contamination on site.

Mr. Don Anderson  
Re: 1150 Ballena Blvd.  
November 2, 1993  
Page 2 of 2

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Mark R. Lafferty, R.G.  
CET Environmental Services, Inc.  
2950 Buskirk Ave., Ste 120  
Walnut Creek, CA 94596-2079

Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

October 12, 1993

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

Re: Quarterly Ground water Monitoring at 1150 Ballena Blvd.,  
Alameda, California

Dear Mr. Anderson,

Per the August 4, 1993 letter from this office, you were required to submit a quarterly ground water monitoring report to this office by September 15, 1993. To this date this office has not received this report, or any communications as to the cause of the delay. Additionally, this office requested that you collect a ground water grab sample from the former waste oil tank pit and submit the information, in the form of a report, to this office by October 4, 1993. This report is also past due.

You are required to submit the above delinquent reports to this office **within 30 days** of the date of this letter. If you have any questions or comments, please contact me at (510) 271-4530.

Sincerely,

Juliet Shin  
Hazardous Materials Specialist

cc: Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS Agency Director



RAFAT A. SHAHID ASST. AGENCY DIRECTOR

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

August 4, 1993

Mr. Don Anderson  
Ballena Isle Marina  
Ballena Bay Yacht Harbor  
1150 Ballena Blvd.  
Alameda, CA 94501

STID 3822

RE: Further requirements for 1150 Ballena Blvd., Alameda,  
California

Dear Mr. Anderson,

This office has received and reviewed the summary of Law/Crandall's investigations conducted out at the site in December 1992. You are required to conduct a minimum of three additional quarterly monitoring events for all three monitoring wells (MW-1, MW-2, and MW-3) at the site with the existing 12,000-gallon underground storage tanks. Ground water monitoring reports shall be submitted quarterly and shall include quarterly water level measurements and corresponding gradient determinations. Ground water samples collected from these wells shall be analyzed for Total Petroleum Hydrocarbons as diesel, Total Petroleum Hydrocarbons as gasoline, and benzene, toluene, ethylbenzene, and xylenes. The next quarterly report will be due **within 45 days** of the date of this letter.

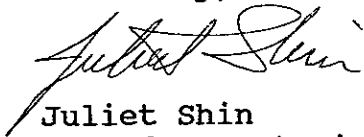
According to our files, elevated levels of diesel, as high as 2,200 ppm, and Oil & Grease, as high as 4,200 ppm, were identified from both the north and south walls of the 250-gallon waste oil tank pit. It appears that further excavation could not be conducted to the north or south due to utility lines and possible damage to a maintenance building. At this time, you are required to collect a grab ground water sample from the open tank pit. This work shall be implemented **within 30 days** of the date of this letter, and a report detailing the results of this investigation shall be submitted **within 30 days** of completing field activities. The ground water grab sample shall be analyzed for all the appropriate waste oil constituents. If the ground water lab analysis results for this sample identify unacceptable concentrations of contaminants, further steps may be required to address the removal/remediation of the apparent source (i.e., the contaminated soil).



Mr. Don Anderson  
Re: 1150 Ballena Blvd.  
Page 2 of 2  
August 4, 1993

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Edgar Howell-File(JS)

ALAMEDA COUNTY  
HEALTH CARE SERVICES  
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

May 4, 1993

Mr. Don Anderson  
Almar Ltd Marina  
1150 Ballena Blvd., #111  
Alameda, CA 94501

STID 3822

Re: Required investigations at 1150 and 1100 Ballena Blvd.

Dear Mr. Anderson,

On May 15, 1992, this office sent you a letter requiring you to conduct soil and ground water investigations associated with two 12,000-gallon underground storage tanks (USTs) at 1150 Ballena Blvd. On July 2, 1992, this office sent you a letter requiring that you conduct further investigations associated with a 250-gallon UST at 1100 Ballena Blvd (Please refer to copies of attached letters). To this date, you have not implemented any of the above work required of you and you have made no efforts to contact this office to request any extensions of the due dates for the implementation of the required work.

In October 1992, I spoke to a representative for a potential buyer for your property, Susan Gahry of Law/Crandall. She stated that the company she represented would conduct investigations at the site to determine the extent and severity of contamination at the above sites. In order to avoid unnecessary redundancy in the investigations at the site, this office postponed any pursuits to have you implement investigations at the sites until after Law/Crandall's investigations.

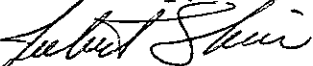
On March 22, 1993, I spoke to Ms. Gahry once again to determine the status of Law/Crandall's investigations. She stated that they had completed the investigations out at the site and that they had made an agreement with you to submit a report of their findings to you for use in your efforts to investigate and remediate your sites.

You are required to submit a work plan for 1150 Ballena Blvd. **within 45 days** of the date of this letter, as outlined in the May 15, 1992 letter. Additionally, you are required to implement the work at 1100 Ballena Blvd. **within 45 days** of the date of this letter, as outlined in the July 2, 1992 letter. Please be advised that this is a formal request for a work plan pursuant to Section 2722 (c)(d) of Title 23 California Code of Regulations. Any extensions of the stated deadline, or modifications of the required tasks must be confirmed in writing by either this agency or RWQCB.

Mr. Don Anderson  
Re: 1150 & 1100 Ballena Blvd.  
May 4, 1993  
Page 2 of 2

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

Sincerely,



Juliet Shin  
Hazardous Materials Specialist

cc: Richard Hiatt, RWQCB

Gil Jensen, Alameda County District Attorney's Office

Edgar Howell-File(JS)

**Alameda County Department of Environmental Health  
Hazardous Materials Division**

80 Swan Way, Rm. 200, Oakland, CA 94621  
Ph: 510-271-4320

**BILLING FOR SERVICES**

L.O.P.  
SHD# 3822

A. Site Name Ballena Isle Marina Phone \_\_\_\_\_

Site Address 1150 (and 1100) Ballena Blvd., Alameda, CA. 94501  
(If no address, description of area)      Number      Street      City      Zip

Prior Business Name unkn. Prior Owner's Name \_\_\_\_\_

B. Service Requestor Susan E. Gahry P.E. Phone \_\_\_\_\_  
Contact Person      Company Name

Billing Address 4000 Civic Center Drive #305 San Rafael, CA 94903-4152  
Number      Street      City      Zip

<b>Category of Service</b>		#Hours	x \$	Rate	\$	Total
<input checked="" type="checkbox"/> Site Search	(Whole Hours Only)	<u>1</u>	x \$	<u>71.00</u> /Hr	\$	<u>71.00</u>
<input type="checkbox"/> File Search		<u>32.</u>	x \$	<u>1.00</u> /Copy	\$	<u>32.00</u>
<input type="checkbox"/> Other		_____	x \$ _____		\$ _____	_____
<b>TOTAL CHARGE:</b>					\$	<u>103.00</u>

REMARKS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**You will receive an invoice in accordance with Article 11 of Chapter 6, Title 3 of the Ordinance Code of Alameda County**

Service Requestor LAW / Crandall, Inc. Consultants Date 9-23-92  
printed name      signature

HazMat Specialist KEVIN TINSLEY Date 9-23-92  
printed name      signature



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

July 2, 1992

Don Anderson  
Almar Ltd Marina  
1150 Ballena Blvd., # 111  
Alameda, CA 94501

STID 4101

RE: Additional work required at the Ballena Isle Marina site,  
located at 1100 Ballena Blvd., Alameda, California

Dear Mr. Green,

This office has received and reviewed the report from ENSR, dated May 21, 1992, for the site where a 250-gallon underground storage tank was excavated and removed in 1991. In the above report it was recommended that the open pit at the above site be backfilled and covered with an impermeable cap in the form of concrete pavement. Additionally, due to the site's close proximity to San Francisco Bay and the harbor, it was recommended that ground water monitoring would not be necessary.

It is understood that ground water flow direction, in the vicinity of the site, is likely to change over the course of a single day, and any releases that may have occurred to the ground water has probably been diluted by the strongly influenced ebb and flow of the tides. However, this office, along with the Regional Water Quality Control Board (RWQCB), would like to know what levels of contaminant concentrations currently exist in the ground water beneath the site before making the decision that no further ground water investigations are necessary at the present time.

This office is requiring, with RWQCB's concurrence, that the tank pit be excavated down to ground water and that a ground water grab sample be collected and analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline, TPH as diesel, Total Oil & Grease, Volatile Organic Compounds, and cadmium, chromium, lead, nickel, and zinc.

Additionally, this office and RWQCB feels that further attempts should be made to investigate and remediate the extent of the soil contamination at the site. In the above report from ENSR, it was shown that elevated concentrations of Diesel, as high as 2,200 ppm, and Oil and Grease, as high as 4,200 ppm, were identified from both the north and south walls of the tank pit. These soil samples were collected immediately above the ground water level, so backfilling

Don Anderson  
RE: 1150 Ballena Blvd.  
July 2, 1992  
Page 2 of 2

and capping the tank pit would not prevent further releases of contaminants into the ground water from the soil.

You are required to submit a work plan addressing the investigation and remediation of the soil contamination at the site within 45 days of the receipt of this letter. Please be advised that this is a formal request for technical reports pursuant to **California Water Code Section 13267 (b)**. Any extensions of the stated deadlines, or modifications of the required tasks must be confirmed in writing by either this agency or RWQCB.

If you have any questions or comments, please contact Ms. Juliet Shin at (510) 271-4320.

Sincerely,



Thomas F. Peacock, Supervising HMS  
Hazardous Materials Division

cc: Richard Hiett, RWQCB

Richard Quarante, Alameda Fire Dept.

Brian Ho  
ENSR Consulting  
1320 Harbor Bay Pkwy.  
Alameda, CA 94501

Edgar Howell-File (JS)

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

May 15, 1992

Don Anderson  
Almar Ltd Marina  
1150 Ballena Blvd., #111  
Alameda, CA 94501

STID 3822

RE: Required investigations at the Ballena Isle Marina site,  
located at 1150 Ballena Boulevard, Alameda, California

Dear Mr. Anderson,

Two 12,000-gallon underground storage tanks (USTs), one containing diesel and the other containing gasoline, were removed from the above site on July 2, 1990. Six soil samples were collected from the tank pit. Analysis of these samples indicate that one sample, collected near the piping connection to the diesel tank, exhibited 130 ppm of Total Extractable Hydrocarbons as diesel.

Additionally, groundwater was observed in the tank pit. Two groundwater samples were collected from the tank pit. One groundwater sample was collected before pumping the groundwater out of the tank pit, and another sample was collected from the recharged groundwater. The groundwater sample collected before pumping out the tank pit exhibited high concentrations of Total Volatile Hydrocarbons (24,000 ppb) and benzene (840 ppb).

Guidelines established by RWQCB requires that a groundwater investigation be conducted whenever an unauthorized release of product is suspected from an UST. The soil and groundwater contamination identified in the tank pit would indicate that such an event has occurred. You are required to install one monitoring well within 10 feet downgradient of the tank pit to determine whether contaminants from the UST have impacted the groundwater. Furthermore, a groundwater gradient must be established for the site, which is usually determined by installing two additional monitoring wells, both screened in the same interval as the initial well, to form the necessary triangular formation.

Per Ms. Shin's conversation with Ray Pantel of Cottle Engineers, it appears that two compliance monitoring wells have been installed in the tank pit at the site to monitor any leaks from the currently active USTs. It appears that these two wells cannot be used as part of the groundwater gradient determination because they are located in backfill material that differs from the surrounding

native soil, which may cause these wells to give an inaccurate groundwater elevation for the site. Additionally, these wells may not be spaced far enough apart to assist in calculating an accurate groundwater gradient.

You are required to submit a Preliminary Site Assessment (PSA) work plan describing the proposed work at the site. It should include, among other elements, a depiction of the proposed locations for monitoring well installations and sampling plan. Initial soil and groundwater samples shall be analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), TPH as diesel, and benzene, toluene, ethylbenzene, and xylenes using appropriate EPA or DHS methods.

The PSA must be conducted in accordance with the California Regional Water Quality Control Board's (RWQCB's) Staff Recommendations for the Initial Evaluation and Investigations of Underground Tanks and the State Water Board's LUFT field manual. Please reference the attached Appendix A summarizing the technical scope of such a PSA proposal.

The PSA shall be conducted under the direction of a registered engineer/geologist. A technical report shall be submitted following completion of this initial stage of work at the site. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off".

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

- o 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 form, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
- o Status of groundwater contamination characterization
- o Interpretation of results: water level contour maps showing gradients, free and dissolved product plume, definition maps for each target component, geologic cross sections, etc

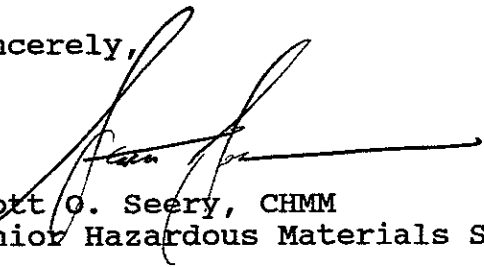
A report documenting the results from work performed is due to this office within 45 days of completion of field activities. Copies of all plans and proposals should be sent to this office for approval before implementation.

The need for any follow-up investigative or remedial actions at the site will be based upon the data derived from this groundwater investigation.



If you have any questions or comments, please contact Juliet Shin  
at (510) 271-4320.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott O. Seery", with a long horizontal line extending to the right.

Scott O. Seery, CHMM  
Senior Hazardous Materials Specialist

cc: Richard Hiett, RWQCB

Richard Quarante, Alameda Fire Dept.

Ray Pantel  
Cottle Engineering  
P.O. Box 163  
Antioch, CA 94509

FILE (JS.)

DATE: 4/30/92  
TO : Local Oversight Program  
FROM: Eisz  
SUBJ: Transfer of Eligible Oversight Case

---

Site name: Ballena Isl Marine  
Address: 1100 Ballena Blvd city Alameda zip 94501  
Closure plan attached?  Y N DepRef remaining \$ \_\_\_\_\_  
DepRef Project # \_\_\_\_\_ STID #(if any) 4101  
Number of Tanks: 1 removed?  Y N Date of removal \_\_\_\_\_  
Leak Report filed? Y  N Date of Discovery 10-17-91  
Samples received?  Y N Contamination: soil  
Petroleum  Y N Types: Avgas Jet lead unleaded Diesel  
fuel oil waste oil kerosene solvents  
Monitoring wells on site No Monitoring schedule? Y N  
LUFT category 1 2 3 \* H S C A R W G O  
Briefly describe the following:  
Preliminary Assessment No work plan submitted  
Remedial Action \_\_\_\_\_  
Post Remedial Action Monitoring \_\_\_\_\_  
Enforcement Action \_\_\_\_\_

TSG up to 11,000 ppm

Removed of tank w/o representative from fire dept or health dept

DATE: 3/27/92

TO : Local Oversight Program

FROM: Eva Chu

SUBJ: Transfer of Eligible Oversight Case

Site name: Ballena Isle Marina

Address: 1150 Ballena Blvd City Alameda Zip 94501

Closure plan attached?  Y  N DepRef remaining \$ 69.00

DepRef Project # 935 STID #(if any) 3822

Number of Tanks: 2 removed?  Y  N Date of removal 7/2/90

Leak Report filed?  Y  N Date of Discovery 10/10/89 7/9/90

Samples received?  Y  N Contamination: Soil & water

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

Monitoring wells on site No Monitoring schedule?  Y  N

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

Briefly describe the following:

Preliminary Assessment \_\_\_\_\_

Remedial Action \_\_\_\_\_

Post Remedial Action Monitoring \_\_\_\_\_

Enforcement Action \_\_\_\_\_

leak from piping possibly due to earthquake  
soil had 130 ppm TPH  
water in pit tested at 24,000 ppb TPH  
water pumped from pit - when filled again it was sampled  
on 7/16/90 - results for TPH was ND.

LOP RECORD CHANGE REQUEST FORM

printed:  
06/23/93

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 12035  
 StID : 4101  
 SITE NAME: Ballena Isle Marina      DATE REPORTED : 10/17/91  
 ADDRESS : 1100 Ballena Blvd.      DATE CONFIRMED:  
 CITY/ZIP : Alameda 94501      MULTIPLE RPs : N

SITE STATUS

CASE TYPE: S      CONTRACT STATUS: 4      EMERGENCY RESP:  
 RP SEARCH: S      DATE COMPLETED: 05/04/92  
 PRELIMINARY ASMNT:      DATE UNDERWAY:      DATE COMPLETED:  
 REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
 REMEDIAL ACTION:      DATE UNDERWAY:      DATE COMPLETED:  
 POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 05/04/92  
 LUFT FIELD MANUAL CONSID: 2  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED :      REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Almar Ltd.  
 COMPANY NAME: Ballena Isle Marina  
 ADDRESS: 1150 Ballena Bl., #111  
 CITY/STATE: Alameda, C A 94501

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANNPMS _____	LOP _____	DATE _____	LOP _____	DATE _____

Scott are you interested

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

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

## Hazardous Materials Inspection Form

II, III

white -env.health  
yellow -facility  
pink -files

Site ID # \_\_\_\_\_ Site Name Ballena Isle Marina Today's Date 9/27/91

Site Address 1150 Ballena Blvd (?)

City Alameda Zip 94 Phone \_\_\_\_\_

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

### Inspection Categories:

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

*Complaint*

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

### Comments:

Recd a complaint from an ex-employee of Ballena Bay Marina, Mark Colgan. He reported that his former employer had instructed himself and another employee to remove an approx 500 gal UBT from this site w/o any oversight by Council or F.D. He said ~20 yds of stockpile soil was generated, 10 was contaminated & buried elsewhere and 10 was pile & is being "aerated". Contaminated soil dumped in the Bolavous Rest. Parking lot. Complaint left mother's phone # 523-9178

I informed Don Harries on 9/30/91 about this info

### 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'L'S

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

Rev 6/88

Contact: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

Inspector: B. Chan

Signature: \_\_\_\_\_

II, III

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

Project Specialist (print)

**ACCEPTED**

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, CA 94612  
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

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

Any change or 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 meet the requirements of State and local laws. Notify this Department at least 48 hours prior to the following required inspections:

- \_\_\_\_\_ Removal of Tank and Piping
- \_\_\_\_\_ Sampling
- \_\_\_\_\_ Final Inspection

Issuance of a permit to operate is dependent on compliance with approved plans, specifications, and

NOT  
VALID

*Row*  
8/21/91

**UNDERGROUND TANK CLOSURE PLAN**

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

1. Business Name BALLENA ISLE MARINA  
Business Owner ALMAR
  2. Site Address 1100 BALLENA BLVD.  
City ALAMEDA Zip 94501 Phone (415) 523-5528
  3. Mailing Address 1150 BALLENA BLVD. STE. #111  
City ALAMEDA Zip 94501 Phone (415) 523-5528
  4. Land Owner ALMAR  
Address 1150 BALLENA BLVD. City, State ALAMEDA, CA Zip 94501
  5. Generator name under which tank will be manifested BALLENA ISLE MARINA
- CAC 000630928
- EPA I.D. No. under which tank will be manifested CAC000630928

6. Contractor N/A  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_  
License Type \_\_\_\_\_ ID# \_\_\_\_\_

7. Consultant NONE  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_

8. Contact Person for Investigation  
Name JERRY GREEN Title DOCKMASTER  
Phone 523-5528

9. Number of tanks being closed under this plan 1  
Length of piping being removed under this plan N/A  
Total number of tanks at facility 3

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

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

a) Product/Residual Sludge/Rinsate Transporter  
Name WASTE OIL RECOVERY SYSTEMS, INC. EPA I.D. No. CAD00626515  
Hauler License No. D.O.H.S. 843 License Exp. Date 7/30/92  
Address 6401 LEONA ST.  
City OAKLAND State CA Zip 94501

b) Product/Residual Sludge/Rinsate Disposal Site  
Name \_\_\_\_\_ EPA I.D. No. CAT080013352  
Address 6401 LEONA ST.--2000 N. ALAMEDA  
City COMPTON State CA Zip 90222

c) Tank and Piping Transporter

Name ERICKSON INC. EPA I.D. No. CAD 009466392  
Hauler License No. 0019 License Exp. Date \_\_\_\_\_  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON INC. EPA I.D. No. CAD 009466392  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801

11. Experienced Sample Collector

Name \_\_\_\_\_  
Company ERICKSON ANALYTICAL  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801 Phone 235-1393

12. Laboratory

Name ERICKSON ANALYTICAL  
Address 255 PARR BLVD.  
City RICHMOND State CA Zip 94801  
State Certification No. 368

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

If yes, describe. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



14. Describe methods to be used for rendering tank inert

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
550 GAL	WASTE OIL	SOIL	A SAMPLE WILL BE TAKEN AT THE CENTER OF THE TANK, ONE FOOT BELOW THE BACKFILL MATERIAL AND NATIVE SOIL INTERFACE.

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (Estimated)  5-10 CUBIC YDS.	Sampling Plan  ONE SAMPLE WILL BE TAKEN FROM THE STOCKPILED SOIL AND ANALYZED FOR: TPHG TPHD ONDG BTXE CLHC CM 17 METALS

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH G	GCFID 5030	LUFT	.05 MG/KG
TPH D	GCFID 3550	LUFT	1 MG/KG
ONDG	SOXHLAT	9071	1 MG/KG
BTXE	PID 5030	8020	.5 UG/KG
CLHC	PID 5030	8010	.5-3 UG/KG
CM 17 METALS	3050	6010	.05-4 MG/KG

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

18. Submit Worker's Compensation Certificate

Name of Insurer STATE COMPENSATION INSURANCE FUND

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)

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

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

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

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

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

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

Signature of Contractor

Name (please type) GERALD GREEN

Signature *G. R. Green*

Date 8-21-91

Signature of Site Owner or Operator

Name (please type) GERALD GREEN

Signature *G. R. Green*

Date 8-21-91

BALLENA ISLE MARINA

DATE

CHECK NO.

AMOUNT

INVOICE NO.	INVOICE DATE	AMOUNT	DISCOUNT	CHECK NO.	AMOUNT
Oil Disposal	8-20-91	432.00			432.00
TOTALS ▶				TOTALS ▶	432.00

**BALLENA ISLE MARINA**  
 16111 HIGHBRIDGE ROAD, SUITE 110  
 HOLLING HILLS ESTATES, CA 90274  
 (310) 541-5800



**UNION BANK**  
 SOUTH BAY REGIONAL OFFICE  
 21515 Hawthorne Blvd  
 Torrance, CA 90503

**B 054845**

16 17/1220

DATE: 8-20-91      CHECK NO: 54845      AMOUNT: \*\*\*\*\*432.00

PSY\*\*Four Hundred Thirty-two and no/100\*\*

TO THE ORDER OF

Department of Environmental Health

*Kathy E. Bastian*  
*Walter H. De... ..*

⑈054845⑈ ⑆⑆⑆2200077⑆⑆ 25096⑈2479⑈

**STATE  
COMPENSATION  
INSURANCE  
FUND**

P.O. BOX 807, SAN FRANCISCO, CA 94101-0807

**CERTIFICATE OF WORKERS' COMPENSATION INSURANCE**

AUGUST 20, 1991

POLICY NUMBER: 0557196-91  
CERTIFICATE EXPIRES: 04-15-92

DEPT OF ENVIRONMENTAL HEALTH  
80 SWAN WAY #200  
OAKLAND, CA. 94621

This is to certify that we have issued a valid Workers' Compensation insurance policy in a form approved by the California Insurance Commissioner to the employer named below for the policy period indicated

This policy is not subject to cancellation by the Fund except upon ten days' advance written notice to the employer.

We will also give you TEN days' advance notice should this policy be cancelled prior to its normal expiration.

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance 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.

  
PRESIDENT

EMPLOYER

HARRY L. NELSON JR. AN INDIVIDUAL  
DBA: HARRY L. NELSON JR.  
28441 HIGHRIDGE RD. #100  
ROLLING HILLS EST, CA. 90274

S;A

**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**

568886  
4.12.90  
\$5800  
ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
470 - 27th Street, Third Floor  
Oakland, CA 94612  
Telephone: (415) 874-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to your plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction.

In case of these accepted plans must be on the job and by all contractors and craftsmen involved with the project.

Any alterations of these plans and specifications must be submitted to this Department and to the Fire and Police Departments to determine if such alterations meet the requirements of State and local laws.

Notify this Department at least 48 hours prior to the start of any required inspections:

- Removal of Tank and Piping
- Sampling
- Final Inspection

Continuance 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.

*R. Cheick 5/9/90*

**UNDERGROUND TANK CLOSURE/MODIFICATION PLANS**

1. Business Name Ballena Isle Marina  
Business Owner Almar Ltd. Marina
2. Site Address 1150 Ballena Blvd.  
City Alameda Zip 94501 Phone 523-5528
3. Mailing Address 1150 Ballena Blvd.  
City Alameda Zip 94501 Phone 523-5528
4. Land Owner Almar Ltd. Marina  
Address 1150 Ballena Blvd. City, State Alameda, CA Zip 94501
5. EPA I.D. No. CAC 000270289
6. Contractor Cottle Engineering  
Address P.O. Box 163  
City Antioch Phone 754-9935  
License Type A ID# 481444
7. Consultant N/A Subsurface Consultants  
Address \_\_\_\_\_  
City \_\_\_\_\_ Phone \_\_\_\_\_

8. Contact Person for Investigation

Name Don Anderson Title project manager  
Phone 523-5528

9. Total No. of Tanks at facility 2

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

11. State Registered Hazardous Waste Transporters/Facilities

a) Product/Waste Tranporter

Name Hydro Tech EPA I.D. No. CAD 982411571  
Address 805 Port Chicago Hwy  
City Pittsburg State CA zip 94565

b) Rinsate Transporter

Name Hydro Tech EPA I.D. No. CAD 982411571  
Address 805 Port Chicago Hwy  
City Pittsburg State CA zip 94565

c) Tank Transporter

Name Hydro Tech EPA I.D. No. CAD 98241157  
Address 805 Port Chicago Hwy  
City Pittsburg State CA zip 94565

d) Tank Disposal Site

Name H & H Ship Service EPA I.D. No. cad004771168  
Address P.O. Box 77363  
City San Francisco State CA zip 94107

e) Contaminated Soil Transporter

Name Hydro Tech EPA I.D. No. CAD 982411571  
Address 805 Port Chicago Hwy  
City Pittsburg State CA zip 94565

12. Sample Collector

Name \_\_\_\_\_  
 Company NET Pacific Subsurface Consultants  
 Address 435 Tesconi Circle  
 City Santa Rosa State CA Zip 95401 Phone 707-526-7200

13. Sampling Information for each tank or area

Tank or Area		Material sampled	Location & Depth
Capacity	Historic Contents (past 5 years)		
1) 12,000	Gasoline Diesel	4 Soil Samples	one beneath each end of the tanks & one in middle of each tank one per 20 feet of piping one water sample
2) 12,000			

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

If yes, describe. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

If yes, describe. Tanks must be inerted. A minimum of 15 lbs dry ice per 1,000 gallons of tank capacity must be added to each tank.

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

16. Laboratories

Name NET Pacific  
 Address 435 Tesconi Circle  
 City Santa Rosa State CA Zip 95401

State Certification No. 178

All piping must be flushed - 3 - or drained into tanks before tanks pumped and inerted. Piping must then be removed or capped.



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												
<p><u>Tank</u></p> <p>1) Gasoline, TPH</p> <p>2) Diesel, TPH</p> <p>1)+2) B,T,X,Eb</p>	<p>5030</p> <p>3550</p> <p>8020 or 8240 prep method</p>	<p>GCFID, DHS Method</p> <p>GCFID, DHS Method</p> <p>8020 or 8240</p> <p>Detection limits must meet the following RWQCB standard</p> <table border="1"> <thead> <tr> <th></th> <th>soil</th> <th>water</th> </tr> </thead> <tbody> <tr> <td>TPH G</td> <td>1.0ppm</td> <td>50.0ppb</td> </tr> <tr> <td>TPH D</td> <td>1.0ppm</td> <td>50.0ppb</td> </tr> <tr> <td>BTX+E</td> <td>0.005ppm</td> <td>0.5ppb</td> </tr> </tbody> </table>		soil	water	TPH G	1.0ppm	50.0ppb	TPH D	1.0ppm	50.0ppb	BTX+E	0.005ppm	0.5ppb
	soil	water												
TPH G	1.0ppm	50.0ppb												
TPH D	1.0ppm	50.0ppb												
BTX+E	0.005ppm	0.5ppb												

18. Submit Site Safety Plan

19. Workman's Compensation: Yes  No

Copy of Certificate enclosed? Yes  No

Name of Insurer National American Insurance Company of California

20. Plot Plan submitted? Yes  No

21. Deposit enclosed? Yes  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 Safety 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) David E. Cottle, Sr.

Signature *David E. Cottle, Sr.*

Date 4/11/90

Signature of Site Owner or Operator

Name (please type) \_\_\_\_\_

Signature *A. R. Green*

Date 4-12-90

# CORD. CERTIFICATE OF INSURANCE

ISSUE DATE (MM/DD/YY)

3/5/90

PRODUCER

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

**SIGERSETH INS. ASSOCIATES**  
 2710 GATEWAY OAKS DR.  
 SUITE 115—SO.  
 SACRAMENTO, CA 95833  
 TEL: (916) 923-1800

## COMPANIES AFFORDING COVERAGE

COMPANY LETTER **A** NAICC

COMPANY LETTER **B**

COMPANY LETTER **C**

COMPANY LETTER **D**

COMPANY LETTER **E**

CODE SUB-CODE

INSURED

Dave Cottle  
 DBA: Cottle Engineering  
 P.O. Box 163  
 Antioch, Ca. 94509

## 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.

DESCRIPTION	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS
GENERAL LIABILITY	COMMERCIAL GENERAL LIABILITY				GENERAL AGGREGATE \$
	CLAIMS MADE OCCUR				PRODUCTS-COMP/OPS AGGREGATE \$
	OWNER'S & CONTRACTOR'S PROT.				PERSONAL & ADVERTISING INJURY \$
					EACH OCCURRENCE \$
AUTOMOBILE LIABILITY	ANY AUTO				FIRE DAMAGE (Any one fire) \$
	ALL OWNED AUTOS				MEDICAL EXPENSE (Any one person) \$
	SCHEDULED AUTOS				COMBINED SINGLE LIMIT \$
	HIRED AUTOS				BODILY INJURY (Per person) \$
	NON-OWNED AUTOS				BODILY INJURY (Per accident) \$
	GARAGE LIABILITY				PROPERTY DAMAGE \$
EXCESS LIABILITY	OTHER THAN UMBRELLA FORM				EACH OCCURRENCE \$
					AGGREGATE \$
WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY		Binder #314	2-25-90	2-25-91	STATUTORY \$ 1,000, (EACH ACCIDENT)
					\$ 1,000, (DISEASE—POLICY LIMIT)
					\$ 1,000, (DISEASE—EACH EMPLOYEE)
OTHER					

**COPY**  
 FOR YOUR RECORDS

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/RESTRICTIONS/SPECIAL ITEMS

RE: All California Operations

## CERTIFICATE HOLDER

County of Alameda  
 Department of Environmental Health  
 80 Swan Way, Room 200  
 Oakland, Ca. 94621

## CANCELLATION

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

AUTHORIZED REPRESENTATIVE

*Deana Wilson*

---

SITE SAFETY PLAN

CA Lic. No. 481444

Ballena Isle Marina

Tank Removal and Installation

1. Project site will be chain link fenced in such a manner that the public may not enter the work area.
2. Excavated area shall be barricaded with double rows of caution tape so that the public may not enter the excavated area.
3. When possible the excavated area will be covered with plywood sheeting to prevent falls into the area.
4. A minimum of two (2) fire extinguishers will be on site at all times.
5. Tanks contained gasoline and diesel fuel. Dry ice will be added to both tanks prior to the start of work to suppress vapors.
6. All OSHA safety procedures will be followed and Cal OSHA to be notified prior to start of work.

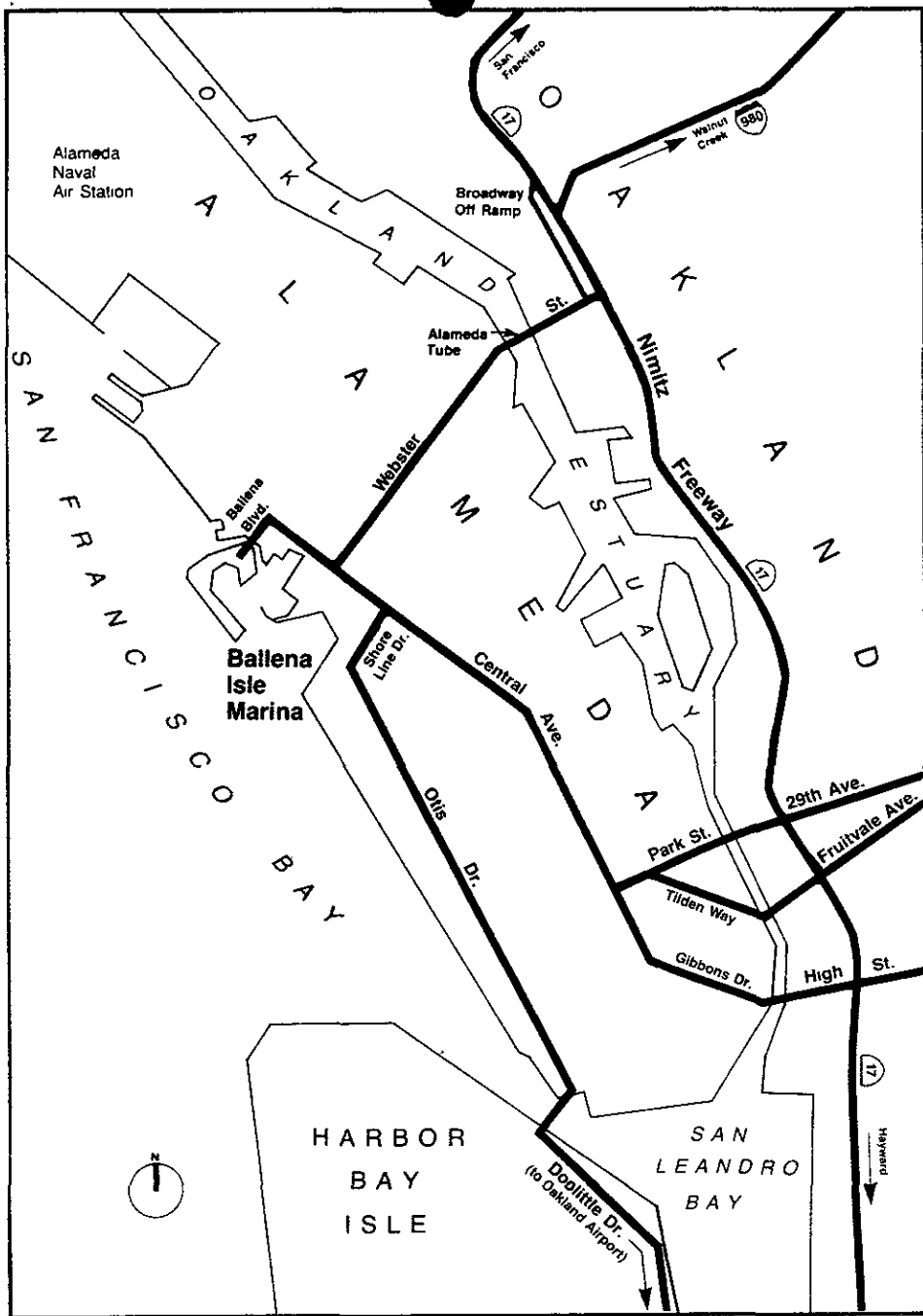
Site Safety Plan

Ballena Isle Marina  
1150 Ballena Blvd.  
Alameda

Site Emergency and Evacuation Plan in the event of fire  
or other major jobsite catastrophe.

Follow these steps immediately:

1. Discount all power cords and power tools at the jobsite. Shut off all motors or engines which may be running.
2. Evacuate any people or employees in the immediate area. All persons should be directed to leave by the nearest safe direction.
3. Call "911" and report the conditions at Ballena Isle Marina Alameda. Should anyone be trapped or in need of medical attention let the "911" dispatcher and stay on the phone to answer any questions concerning the situation.
4. Before leaving the site quickly look to assure that all others have left the jobsite area. Give assistance to anyone who may be having difficulty leaving the jobsite.
5. Attempt to extinguish any fire or contain any spill if you can do so safely. Have fire extinguishers and spill containment supplies available until additional help arrives.
6. Assist any injured persons as much as possible. Report immediately to emergency response personnel upon their arrival and provide them with any information or assistance that they may request.
7. Jobsite safety equipment shall consist of two fully charged fire extinguishers located within 50 feet of the work area. Fire extinguishers are operated by removing the safety pin, aiming at the base of fire from a safe distance and squeezing the trigger.
8. Upon evacuation of the premises employees are to meet at the South end of the Parking lot

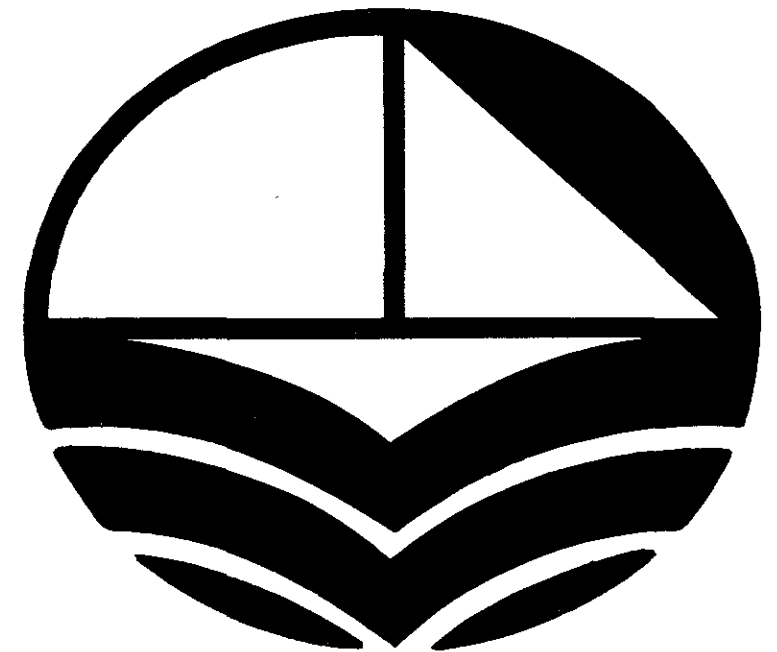


1150 Ballena Boulevard, Alameda, CA 94501



**BALLENA ISLE  
MARINA**

# BALLENA ISLE MARINA

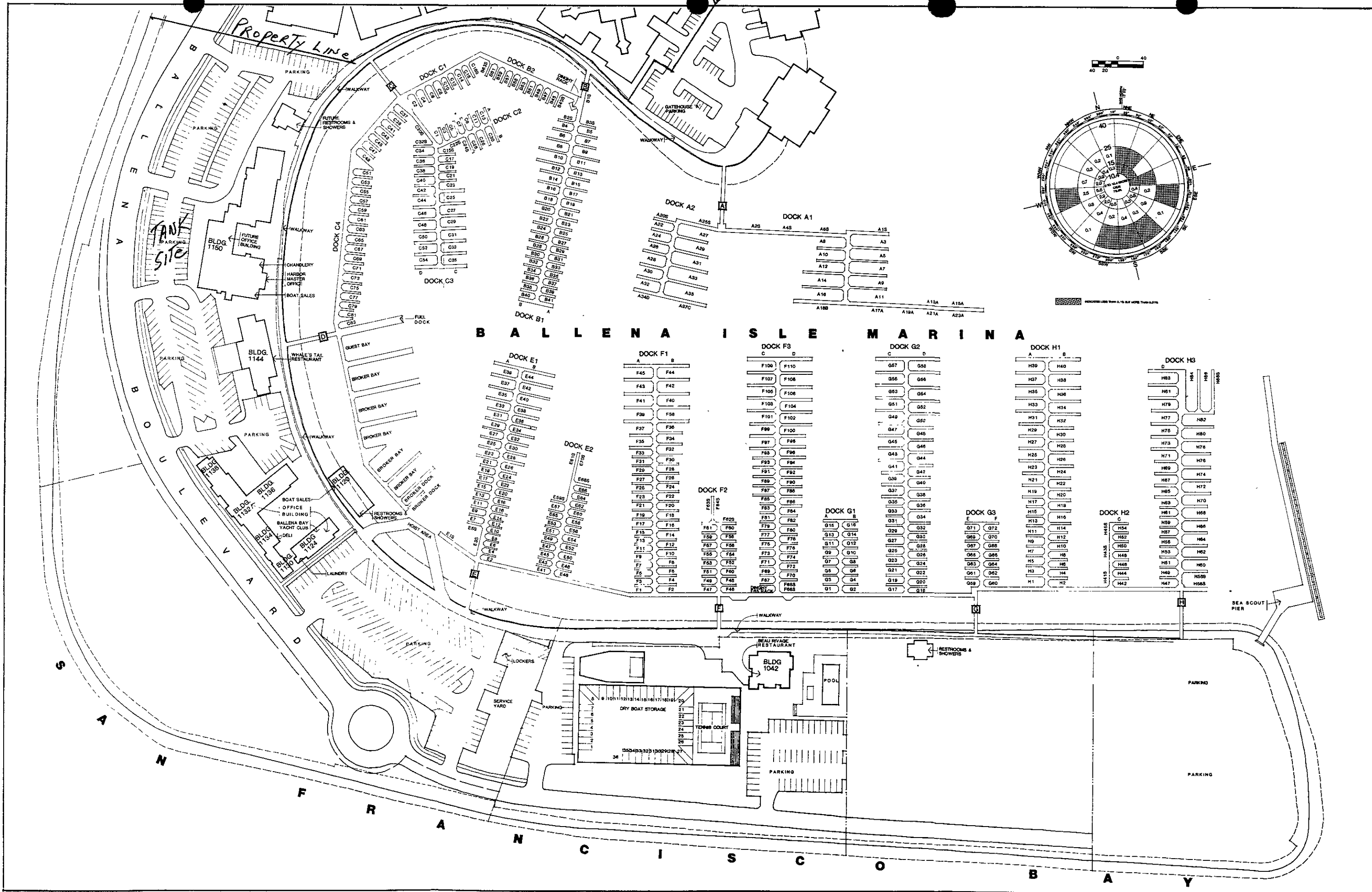
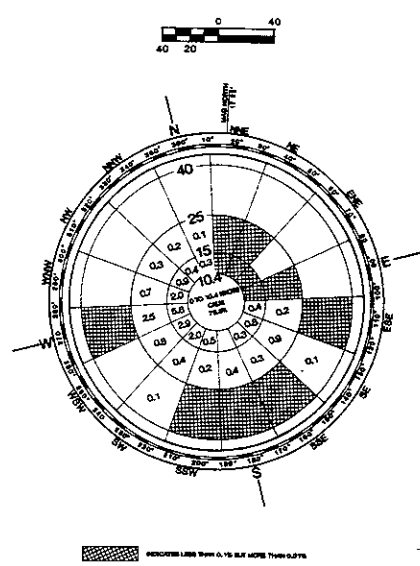


**BALLENA ISLE  
MARINA**

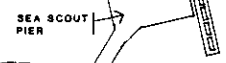
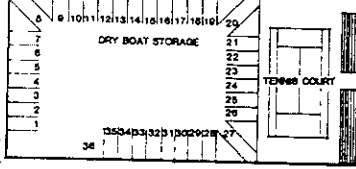
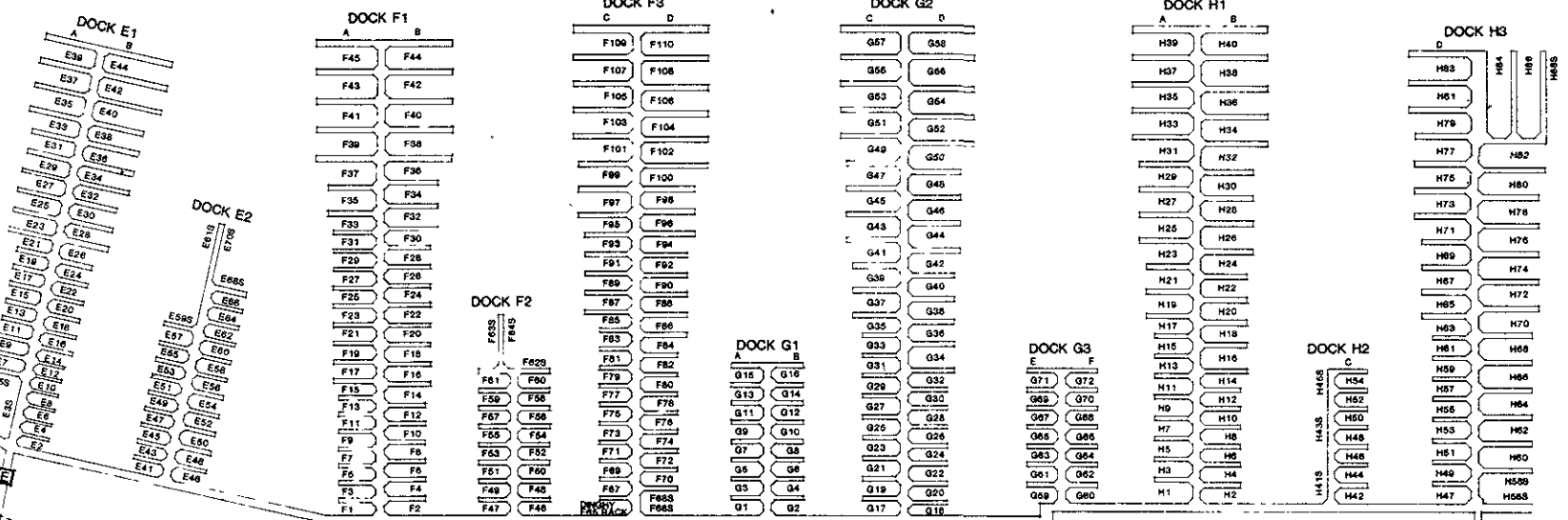
An ALMAR LTD Marina  
1150 Ballena Boulevard, Alameda, CA 94501  
415 523-5528

Property Line

Property Line



B A L E N A I S L E M A R I N A



**Health and Safety Plan  
for  
Soil Excavation and Sampling Activities  
at the  
Ballena Isle Marina  
Alameda, California**



## 1.0 INTRODUCTION

This Health and Safety Plan (HASP) has been developed by ENSR Consulting and Engineering to provide site-specific health and safety procedures for personnel who will performed activities associated with backhoe excavation and sampling at the Ballena Isle Marina located at 1150 Ballena Boulevard in Alameda, California.

The purpose of this HASP is to provide personnel required to work onsite with the information, guidelines, and procedures necessary to complete their assignment in a safe and healthful manner. The provision of this plan apply to all ENSR personnel and subcontractors who will potentially be exposed to safety and/or health hazards during the performance of activities associated with this project.

This HASP is designed to comply with the requirements of the Occupational Safety and Health Administration's (OSHA) Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120), as well as all other federal, state, and local laws and regulations applicable to ENSR employee health and safety. All activities covered by this HASP must be conducted in complete compliance with the requirements specified herein. Personnel covered by this HASP who cannot or will not comply with these requirements will be excluded from site activities by the ENSR Project Manager.

All personnel covered by this HASP, including subcontractor personnel, must review a copy of it, and then return a copy of it, and then sign and return a copy of the HASP sign-off sheet (Appendix A). This sheet must be returned to the ENSR Project Manager prior to performing any onsite activities.

## 2.0 SITE DESCRIPTION

### 1 Site Description/History

A 250-gallon underground tank was excavated and removed from this site in 1991 by the owner (Figure 2). The tank was used to temporarily store waste oil from the engines of the boats that are docked at the marina. Analysis of soil samples collected during the tank removal revealed the presence of diesel, gasoline, xylene, ethylbenzene, toluene, and oil & grease, as well as chromium, lead, nickel, and zinc in the soil. Presently, the site of investigation consists of an open pit in a secured area. The pit is approximately 6 feet deep, and 6 to 7 feet in diameter. There is no groundwater in the bottom of the pit.

### 2 Scope of Project

ENSR will provide a geologist to supervise the excavation of contaminated soils. The project will be supervised by a California-certified engineering geologist.

The excavated soil will be monitored for VOCs using an HNu Photoionization Detector. When visually contaminated soil is no longer encountered, and the HNu readings of the residual soil approaches background levels, excavation will cease and 2 soil borings will be collected - one from the bottom of the excavation, and one from the side wall. The samples will be analyzed by a certified laboratory to verify that the contaminated soil has been removed both vertically and laterally.

### 3 Proposed Date(s) of Field Activity

To be Scheduled upon approval by Alameda County Division of Environmental Health

### 3.0 KEY PERSONNEL AND RESPONSIBILITY

The organization and responsibilities for conducting work activities associated with the limited subsurface investigation, drilling and soil sampling in a safe manner at the Ballena Isle Marina are described herein. The implementation of health and safety at this site will be an integrated effort among the ENSR On Site Project Manager (PM), the ENSR Senior Industrial Hygienist (SIH) and the appointed onsite Health and Safety Coordinator (HSC). Only authorized personnel will be allowed to enter the work area. The number of people in the tank excavation area shall be minimized, thereby reducing the potential for injury, illness or exposures to vapors. Excavation areas will be placarded and effectively barricaded or isolated.

Project Manager:	Brian Ho
Field Operation Manager/Site Geologist:	Brian Ho
Senior Industrial Hygienist:	M. Golembiewski
Site Health and Safety Coordinator:	Brian Ho

#### 1 ENSR Project Manager

The Onsite ENSR Project Manager (PM) is, by designation the individual who has the primary responsibility for ensuring health and safety compliance during this project. The PM, therefore, is responsible for ensuring the implementation of the requirements of this HASP. Some of the PM's specific responsibilities include:

- Assuring that onsite personnel have read and understood this HASP and have completed the HASP sign-off sheet
- Assuring that all personnel have attended a briefing, prior to performing work onsite, apprising them of the contents of the HASP and site - specific hazards.
- Assuring that sufficient personal protective equipment (PPE), as required by this HASP, is available onsite
- Assuring that all subcontractor personnel submit the documentation of employee participation in a medical monitoring program and training program.
- Maintaining a high level of health and safety consciousness among employees at the work site.
- Maintaining regular communications with the HSC and, if necessary, the SIH.

- For ENSR's activities at the Ballena Isle Marina, the above responsibilities will be assumed by the Field Operations Manager (FOM), who will be present onsite to manage all the work activities.

## **2 Senior Industrial Hygienist**

The SIH is the individual responsible for the preparation, interpretation, and the modification of this HASP. Modifications to this HASP which may result in less stringent precautions cannot be undertaken by the PM or the onsite HSC without the approval of the SIH. Specific duties of the SIH include:

- Advising the PM and HSC on matters relating to health and safety on this site.
- Recommending appropriate PPE and air monitoring instrumentation to protect personnel from site hazards.
- Performing field audits to monitor the effectiveness of this HASP and to ensure compliance with it.
- Performing personal exposure monitoring where required and where deemed necessary to determine the adequacy of protective measures and PPE specified by this HASP.
- Maintaining contact with the PM to regularly evaluate site conditions and new information which might require modifications to the HASP.
- Working with the PM to ensure that sufficient PPE is available onsite.
- Conducting briefing meetings, when necessary, to apprise personnel of the contents of the HASP and the site hazards.

## **3 Onsite Health and Safety Coordinator**

The appointed Health and Safety Coordinator (HSC) will be a member of the ENSR project field team. The HSC is responsible for enforcing the requirements of this HASP once onsite work begins. By design, the HSC has the authority to immediately correct all situations where noncompliance with this HASP is noted and to immediately stop work in cases where an immediate danger is perceived. Some of the HSC's specific responsibilities include:

- Procuring and distributing the PPE needed for this project.
- Procuring the air monitoring instrumentation required and performing air monitoring
- Verifying that PPE and health and safety equipment is in good working order.

- Setting up and maintaining the personnel decontamination facility.
- Notifying the PM and the SIH of all noncompliance situations and immediate danger situations.
- Supervising and monitoring the safety performance of all personnel to ensure the required safety and health procedures are followed, and correcting any deficiencies.
- Conducting accident/incident investigations and preparing accident/incident investigation reports.
- Initiating emergency response procedures.

#### **4 Field Personnel**

All ENSR and subcontractor field personnel (FP) are responsible for following the health and safety procedures specified in this HASP and for performing their work in a safe and responsible manner. Some of the specific responsibilities of the FP are as follows:

- Obtaining a copy of the HASP and reading it in its entirety prior to the start of onsite work.
- Bringing forth any question or concerns regarding the content of the HASP to the PM or the SIH prior to the start of work.
- Reporting all accidents and incidents to the PM or FOM
- Complying with the request of the appointed HSC.

## 4.0 HAZARD EVALUATION

### 1 Materials of Concern

The primary focus of this HASP is the potential for worker contact with contaminated soils and liquids. Personnel shall be made aware of specific hazardous materials on each site. Leaded and unleaded gasoline, and diesel fuel may be present at any site, inclusively or exclusively. However, excavating in contaminated soils could also result in the release of hazardous vapors. In addition, excavation operations could encounter buried objects. Field team members should be prepared for both occurrences, as well as for the physical hazards normally associated with the use of as backhoe.

### 2 Physical State

The materials of concern may be present as vapors in ambient air, or as absorbed liquids or vapors in the soil.

### 3 Health Hazards

Gasoline will be the primary health hazard to be found at the subject site. Of the anticipated petroleum hydrocarbons, personnel have a higher risk of coming in contact with gasoline vapors due to its volatility. Exposure to gasoline can produce narcotic effects and irritate the eyes, throat, and skin.

The Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) and the American Conference of Governmental Industrial Hygienist (ACGIH) Threshold Limit Value (TLV) exposure limits for gasoline vapors for an eight-hour day are 300 parts per million (ppm). The OSHA short-term exposure limit is 500 ppm. This level should not be exceeded for more than 15 minutes (time-weighted average) during an eight-hour workday. Most people can detect gasoline vapor in concentrations as low as 50 ppm through their sense of smell.

### 4 Exposure Routes

There are three major routes by which toxic chemicals (gasoline in this case) can enter the body: ingestion, skin absorption and inhalation. Inhalation is the route of greatest concern at this job site.

#### Ingestion

Workers may ingest materials unintentionally when they handle food, drink, smoke, etc., after being in contact with the material and before thoroughly washing their hands. This can be avoided through the use of work practices that forbid these activities in

contaminated areas, except for the ingestion of electrolyte replenishment solutions from sealed squeeze bottles, as approved by the onsite Health and Safety Coordinator (HSC).

### **Skin Absorption**

The skin is a major protective barrier to all organs of the body. The exterior layer of the skin generally prevents foreign materials from entering the body. However, all of the contaminants can be absorbed through the skin and enter the bloodstream. Absorption of chemicals through the skin can be prevented by the use of protective clothing.

### **Inhalation**

The primary exposure route for onsite contaminants is inhalation of soil particles (dust) contaminated with PCB and other solvents. Worker inhalation of particulate and vapors can be prevented by controlling dusts and/or the use of respirators. Proper work practices are important in reducing dust generation. These mitigating measures are described in the following sections.

## **5 Chemical/Physical Properties**

Gasoline is extremely flammable and has an extremely low vapor pressure. It is a clear liquid with yellow-to-brown coloration and has the characteristic gasoline odor.

## **6 Fire and Explosion Hazard**

Gasoline is extremely flammable. It has a flash point of -36 F°, and an ignition temperature range of 53.6 F° to 85.2 F°. The lower explosive limit (LEL) of gasoline is 1.3% (13,000 ppm) by volume in air, while the upper explosive limit (UEL) is 7.4%. Gasoline vapor is three to four times more dense than air, therefore vapor pockets may form in low areas.

Gasoline floats on water and will move with the water as it flows. A direct stream of water is not recommended for extinguishing a gasoline fire because of this characteristic. The best methods for extinguishing a gasoline fire are the use of dry chemicals, carbon dioxide, and foam.

## **7 Hazards Associated with the Materials of Concern**

### **Gasoline**

Gasoline primarily consists of a mixture of hydrocarbons, including aliphatic hydrocarbons, aromatic hydrocarbons, and variety of branched and unsaturated hydrocarbons.

Extremely high-levels of exposure could produce symptoms such as dizziness, coma, collapse and death. Exposure to non-lethal doses is unlikely followed by complete recovery, although cases of permanent brain damage following massive exposure have been reported. No threshold

limit value has been set for gasoline since its composition varies widely. In general, the toxicity is related to content of benzene and other hydrocarbons.

### **Constituents of Gasoline**

**Benzene** - A clear, volatile, colorless, highly flammable liquid with a pleasant aromatic odor. It is known as a carcinogen. The Environmental Protection Agency (EPA) has classified it as a hazardous substance, hazardous waste and a priority toxic pollutant.

The primary effects of short-term exposure to benzene through inhalation is on the central nervous system (CNS). Exposure route via inhalation of vapor, through skin and eye contact. At exposure levels greater than 10 part per million (ppm), inhalation or ingestion may cause headache, dizziness, drowsiness, and nausea. Exposure to liquid and vapor may produce primary irritation to skin, eyes, and upper respiratory tract. If the liquid is aspirated into the lung, it may cause pulmonary edema and hemorrhage. Areas of attachment: Blood, CNS, skin, bone marrow, eyes, and respiratory tract.

The Threshold Limit Value (TLV) is 10 ppm for an 8 hour period. The Short Term exposure Limit (STEL) is 75 ppm for 30 minutes.

**Ethylbenzene** - A colorless liquid with a pungent odor. It is used as a solvent and as a component of automotive and aviation gasolines. Route of entry via inhalation, ingestion, eye, and skin contact. Kidney disease, liver disease, chronic respiratory disease, skin disease are some harmful effects and symptoms. The vapor can cause irritation to the eyes, nose and throat. If inhaled it will cause dizziness or difficult breathing. Erythema and inflammation of the skin may result from contact of the skin with liquid.

The TLV is 100 ppm and the STEL is 200 ppm for 30 minutes.

**Toluene** - A colorless, watery noncorrosive liquid with a sweet pleasant odor much like benzene. Toluene is used as a solvent for paints and coatings. The vapor is heavier than air and may travel a considerable distance to a source of ignition and flash back. The vapor irritates the eyes and upper respiratory tract. If inhaled, will cause nausea, vomiting, headache, dizziness, difficulty breathing or loss of consciousness. The liquid is irritating to eyes and causes drying of skin. If swallowed, will cause nausea, vomiting or loss of consciousness.

The TLV for an 8 hour period is 100 ppm and the STEL is 600 ppm for 30 minutes. Chronic toxicity by ingestion may cause kidney, liver damage and CNS problems.

Since the above contaminants of concern have a moderate to high potential for exposure through inhalation and dermal contacts, precautions must be taken to avoid contact with contaminated soil, water and organic vapors released from the soils.

**Xylene** - Exists in three isomeric forms ortho-, meta-, and para-xylene. Xylene is colorless flammable liquid with a sweet odor similar to benzene.



Xylene is used as a solvent, a constituent of paint, lacquers, varnishes, inks, dyes, cements, and aviation fuels. Route of entry is through the inhalation of vapor. Also ingestion and skin and eye contact. Exposure may affect the CNS, eyes, gastrointestinal tract, blood, liver kidneys and skin. Prolonged skin contact may cause drying and defatting of the skin which may lead to dermatitis. Liquid xylene is irritating to the eyes and mucous membranes. If swallowed, will cause nausea, vomiting or loss of consciousness. If this chemical gets into the eyes, irrigate immediately. If it contacts the skin, wash with soap and water promptly. If inhale, move victim to fresh air at once. If swallowed, do not induce vomiting and seek medical attention.

The TLV is 100 ppm and the STEL is 150 ppm for 30 minutes.

### **Diesel Fuel (No. 2 Fuel Oil)**

No. 2 fuel oil is generally considered to be of moderate to low toxicity. Federal or recommended airborne exposure limits have not been established for its vapor. However, inhalation of low concentrations of the vapor may cause mucous membrane irritation.

Inhalation of high concentrations of the vapor may cause extensive pulmonary edema (i.e., filling of the lungs with fluids). Aspiration of the liquid into the lungs will result in severe pulmonary edema. Ingestion of small quantities of the liquid may produce nausea and vomiting and in large quantities, may produce pulmonary edema. Chronic skin contact with the liquid may produce primary skin irritation as result of defatting.

Because of the relatively low pressure of No. 2 fuel oil at standard temperature and pressure, overexposure to its vapors its not expected to occur in a an outdoor environment. For obvious reasons, ingestion and aspiration of the liquid is not occur. Therefore, if exposure is to occur, the major route of exposure is likely to be via the skin route through direct contact with contaminated soil.

Vapors of No. 2 fuel oil are significantly heavier than air (vapor density > 4) and will tend to subside and accumulate in low lying areas. The liquid is insoluble in water and is lighter than water (specific gravity < 1) and will therefore layer out on the water's surface.

### Summary of Compound Hazard Levels

<u>Substance</u>	<u>TWA</u>	<u>STEL</u>
● Gasoline	300 ppm	500 ppm
● Benzene	1 ppm	5 ppm
● Toluene	100 ppm	150 ppm
● Ethyl Benzene	100 ppm	125 ppm
● Xylene	100 ppm	150 ppm
● Diesel Fuel	*	*

\* Note that no exposure limit exist for these materials.

#### **8 Physical/Operational Hazards**

Physical hazards associated with excavation activities may be the most significant hazards encountered during this work. Minimally, all excavation activities must comply with the health and safety practices specified in 29 (CFR) 1926 (the OSHA Construction Standards). Safety precautions for excavation hazards are addressed in Section 4.8.1. Workers should take necessary precautions if inclement weather and lightning storms occur.

## 5.0 AIR MONITORING

### 1 Work Areas

The HSC will monitor the excavation area with a direct-reading combustible gas indicator (CGI) to determine the presence of explosive gases. The instrument will be calibrated prior to each day's use according to the manufacturer's instructions. The HSC shall monitor routinely during the operation activities and shall record all readings obtained in the logbook.

Explosion hazard monitoring should be conducted on low-lying areas. If the CGI reading exceeds 10% of the lower explosive limit (LEL), a fire or explosion hazard may exist. All activity shall cease and the area evacuated until further testing is conducted and appropriate safety measures are utilized.

### 2 Employee Exposure

The HSC shall also perform air monitoring in the work areas using direct reading instrumentation to determine if hazardous personnel exposures to airborne organic vapors may exist. An organic vapor monitor (OVM) model 580 B or an OVA-128 flame ionization detector (FID) with a 10.2 eV or 11.7 eV bulb calibrated to hexane will be used to conduct this monitoring. Standard Operating Procedure (ENSR SOP 7310, Appendix C).

A sustained reading of 1 ppm on the OVM or OVA requires that a drager test be performed to test for the presence of benzene. If the Drager test indicates 0.5 ppm or greater for benzene, respiratory protection, as specified in Section 6.0, must be donned.

In the absence of an identified gas or vapor hazard (benzene, etc.), an action limit of 5 units above background has been established. When the OVM or OVA indicates sustained breathing zone vapor concentrations in excess of 5 units or more, respiratory protection, as described in Section 6.0 of this document, will be donned. For OVM or OVA readings in the range of 20 to 200 units, full-faced air purifying respirators will be required. If OVM or OVA readings exceed 200 units, air supplied respiratory devices will be required.

## 6.0 PERSONAL PROTECTIVE EQUIPMENT AND TRAINING REQUIREMENTS

### 1 Protective Clothing Requirements

The following protective clothing and equipment must be worn by field team members when performing excavation, tank removal, soil sampling, or other task which involve contact with contaminated soil or field equipment.

- Long-sleeved clothing will be worn in the work area. Personnel will also be required to wear Regular Tyvek garments to minimize contact with hazardous materials.
- Chemically resistant Steel-toed boots
- Outer neoprene, or nitrile gloves
- Inner PVC or latex undergloves
- Hard hat and safety glasses

### 2 Respiratory Protection

Respiratory protection in the form of half-mask air purifying respirators (APR) with organic vapor cartridges and dust-mist pre-filters should be available (on standby) at the project site. Respirators should be donned if odors become objectionable at any time or if sustained readings of 5 units or greater are obtained using the direct-reading air monitoring instruments in the work areas. If used, respirator cartridges are to be changed after every 8 hours of use or when breakthrough occurs, whichever is first.

In some instances it may be advisable to control personnel exposure to vapors by other means. If practical, workers should be positioned up wind from vapor emissions. A large industrial type ventilation fan can be directed to blow vapors away from worker's breathing zone.

### 6.3 Training Requirements

All personnel at the work site are required to have received the minimum 40-hour OSHA Hazardous Waste Operations health and safety training; the required 3-day, one-time supervised OJT; and be current with respect to annual refresher training prior to working at the site. Managers and supervisors shall have received the required manager training prior to work at the site.

Personnel at the work site shall be informed of the hazards, relevant symptoms, and effects of overexposure to hydrocarbon solvents, and the precautions to be observed for safe use handling of these materials.

A pre-safety meeting will take place to ensure that all personnel are informed of the project's scope, work objectives, potential hazards, etc. and provided a copy of the site health & safety plan. This must be done before the commencement of any work.

All ENSR personnel must be supplied a copy of this plan prior to commencing their work efforts and be briefed on its contents.

## **7.0 PERSONNEL & EQUIPMENT DECONTAMINATION AND DISPOSAL PROCEDURES**

### **1 Decontamination Procedures**

Standard Operating Procedure (ENSR SOP 7600, Appendix D) will be followed for the decontamination of all equipment used during this project. The decontamination procedure shall utilize:

- Washing with Tri-Sodium Phosphate (TSP), or similar detergent, in water
- A tap-water rinse
- A final rinse with deionized water

All personnel will wash thoroughly each time before leaving the work area, including lunch, rest breaks, and at the end of the work shift.

### **2 Disposal Procedures**

The area will be considered contaminated until proven otherwise by field or analytical testing results.

## 8.0 SITE CONTROL

The area involving work with contaminated soil is to be cordoned off using barricade tape or other suitable material. Only authorized personnel will be allowed to enter the designated work (restricted) area. The number of personnel within the restricted area should be kept to a minimum.

The HSC is responsible for preventing unauthorized entry into the restricted area and for knowing who is working onsite at all times.

## 9.0 GENERAL SAFE WORK PRACTICES

The following measures are designed to augment the specific health and safety guidelines provided in this plan.

- The "buddy system" will be used at all times by all field personnel. NO one is to perform onsite work in the restricted area alone.
- Avoidance of contamination is of the utmost importance. Whenever possible, avoid contact with contaminated (or potentially contaminated) surfaces or materials. Walk around (not through) puddles and discolored surfaces. Avoid sitting, kneeling, or resting equipment on contaminated surfaces.
- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand - to - mouth transfer of materials is prohibited in the work area.
- Hands and face must be thoroughly washed upon leaving the work area before eating, drinking, or any other activities.
- Beards or other facial hair that interfere with respirator fit are prohibited for those individuals who may be required to use respiratory protection.
- The use of alcohol or drugs is prohibited during the conduct of field operations.
- Safety equipment described in Section 6.0 will be required for all personnel unless otherwise approved by the SIH.
- If any electric-powered equipment is used onsite, it should be explosion-proof, and should be fed electrically through a ground-fault interrupter approved for outdoor use.



## 10.0 EMERGENCY RESPONSE PROCEDURE

### 1 Evacuation

Prior to commencement of the project work, the site manager/ site health and safety coordinator (HSC) shall establish emergency evacuation routes. He/she shall also establish the "safe zone" location, on a daily basis, as dictated by weather conditions, site activities, etc.

### 2 Emergency Procedures

The site HSC will coordinate activities in an emergency situation. Prior arrangements will be made for transportation of injured personnel to an emergency treatment center. The HSC shall ensure that all personnel working at the site know how to communicate with the appropriate local emergency response units, and provide adequate and clear directions between the ENSR work site and the location of those units, prior to commencing any onsite operations. Emergency response contacts and telephone numbers are include at the back of this plan. A copy of this information must be posted in a visible location onsite before operations commence.

### 3 Fire Protection and Response

To ensure that fire and explosion hazards are minimized, plans and procedures must be coordinated with the local Fire Department. If suitable water supplies are unavailable or where water use may be inappropriate, 20- or 30-pound Class ABC fire extinguishers may be necessary for the field crew.

### 4 Guidelines for Response

If any emergency involving actual or suspected personal injury occurs, the site manager/HSC, or surviving person shall follow these steps:

- Remove the exposed or injured person(s) from immediate danger.
- Render first aid if necessary. Decontaminate affected personnel.
- Obtain paramedic service or ambulance transport to designated local hospital (see section 12.0 Emergency Response Contacts And Telephone Numbers) by **calling 911**. An ENSR site member will accompany any person to the medical facility and will remain with the person until release or admittance is determined.
- At the earliest practical time, the onsite manager/HSC shall contact the Senior Industrial Hygienist (SIH) to give details of the incident.

- Any accident/incident resulting in an OSHA recordable injury or illness, treatment at a hospital or physician's office, property damage, or a near-hit- accident, requires that an accident/incident report be completed and submitted to the SIH. A copy of the ENSR Supervisor's Accident/Incident Investigation Report form is found as Appendix C.

## 11.0 RESPONSIBILITIES

The onsite project manager or HSC shall be responsible for the health and safety of site personnel, for training, and for implementation of this HASP.

## 12.0 EMERGENCY RESPONSE CONTACTS AND TELEPHONE NUMBERS

### Local Emergency Contacts

Ambulance Service	911
Police	911
Fire	911

### Hazardous Materials Information

Hazardous Evaluation System and Information Service	(415) 540-2115
Poison Control Center	(800) 682-9211
California DHS Toxic Substance Line (Information)	(818) 567-3000
California DHS Toxic Substance Line (Spill Response)	(800) 852-8694

### **ENSR Contacts:**

Brian Ho, Project Manager	(510) 865-1888
Mark Golembiewski, Senior Industrial Hygienist	(510) 865-1888
Brian Ho, Field Operation Manager/Site Geologist	(510) 865-1888
Brian Ho, Onsite Health and Safety Coordinator	(510) 865-1888

### STANDARD PROCEDURES FOR REPORTING EMERGENCIES

When calling for assistance in an emergency situation, the following information should be provided:

- Name of person making call.
- Telephone number and location of person making call.
- Name of person(s) exposed or injured and location.
- Nature of emergency and type of exposure, when appropriate.
- Actions already taken.

Never hang up first when calling for emergency assistance. Wait for the dispatch operator to finish all questions.

# Waste Oil Recovery Systems, Inc.

INVOICE  
14732

6401 LEONA STREET  
OAKLAND, CA 94605



(415) 533-0750  
533-0751

SOLD TO

SHIPPED TO

*Baller Dr. Martin*  
*1150 Baller Rd.*  
*Alameda, California*

RECEIVED JUL 23 1991

CUSTOMER'S ORDER	SALESMAN	TERMS	SHIPPED VIA	E.P.A.-CAD000626515	DATE
	<i>Jim</i>	<i>Net 30</i>	<i>Oct 11</i>	D.O.H.S.-843	<i>7/23/91</i>
DESTINATION	<input checked="" type="checkbox"/> PETRO RECYCLING 213 595-7431	<input type="checkbox"/> REFINERIES SERVICE 800 874-4444	<input checked="" type="checkbox"/> DEMENNO-KERDOON 213 537-7100		

<i>Waste Oil Service Co</i>			
<i>110</i>	<i>Galbons oil (service charge)</i>	<i>\$55.00</i>	
	<i>Phonix Multi-Step program</i>		
<i>40</i>	<i>Galbons water (65¢ per gallon)</i>	<i>\$26.00</i>	
	<i>D.D.N.A. Manifest # 90361365</i>		
	<i>4200-050</i>		
	<i>Total Due: \$ 81.00</i>		
<i>Monica C. Baller</i>			
CUSTOMER COPY			

\*\*\*\*\*  
DIESEL SUMP  
ALARM ACTIVATED  
9:50 AM 9/26/90  
\*\*\*\*\*

\*\*\*\*\*  
DIESEL ANNULAR  
ALARM ACTIVATED  
9:51 AM 9/26/90  
\*\*\*\*\*

\*\*\*\*\*  
GAS SUMP  
ALARM ACTIVATED  
9:52 AM 9/26/90  
\*\*\*\*\*

\*\*\*\*\*  
GAS ANNULAR  
ALARM ACTIVATED  
9:53 AM 9/26/90  
\*\*\*\*\*

\*\*\*\*\*  
DIESEL SUMP  
ALARM ACTIVATED  
9:55 AM 9/26/90  
\*\*\*\*\*

BALLENA ISLE MARINA  
1150 BALLENA BLVD.  
ALAMEDA, CA 94501

ALARM REPORT  
9:58 AM 9/26/90

----LAST HIGH ALARM----

NO PREVIOUS ALARMS

----LAST LOW ALARM----

NO PREVIOUS ALARMS

----LAST WATER ALARM----

NO PREVIOUS ALARMS

----LAST THEFT ALARM----

NO PREVIOUS ALARMS

----LAST CONTACT ALARM----

DIESEL SUMP  
9:55 AM 9/26/90  
DIESEL ANNULAR  
9:51 AM 9/26/90  
GAS SUMP  
9:52 AM 9/26/90  
GAS ANNULAR  
9:53 AM 9/26/90

----LAST HI HI ALARM----

NO PREVIOUS ALARMS

----LAST LEAK ALARM----

NO PREVIOUS ALARMS

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD**  
**SAN FRANCISCO BAY REGION**  
1800 HARRISON STREET, SUITE 700  
OAKLAND, CA 94612

Phone: Area Code 415  
484-1255



**RECEIVED**  
SEP 14 1990

ENVIRONMENTAL HEALTH  
ADMINISTRATION

September 11, 1990  
File No. 1216.00(SLL)

*HAZ mat*

Sean O. Carson  
Subsurface Consultants, Inc.  
171 12th Street, Suite 201  
Oakland, CA 94607

**RE: SHORT-TERM DISCHARGE AT BALLENA BAY MARINA, ALAMEDA**

Dear Mr. Carson:

Staff of the Regional Board have reviewed your July 26, 1990 proposal to discharge water from a fuel tank excavation at the subject property. As explained below, I hereby waive the need for waste discharge requirements for this discharge as covered by Regional Board Resolution No. 83-3, subject to a number of conditions. This Resolution allows for waivers for construction activities of short duration where no adverse impacts on beneficial uses are expected. This waiver is conditional and may be terminated at any time if significant pollution is discovered or waiver conditions are not met.

I understand that Benzene, Toluene, Xylene and other fuel constituents have impacted groundwater and an investigation including three monitoring wells has been proposed for this site. You have proposed a discharge of 200 gallons per minute of water to the storm drain system of City of Alameda. Your proposed plan to assure that the discharge does not contain pollutants is acceptable. I also understand that the local sewer system will not accept this discharge.

The waiver of waste discharge requirements for this discharge contains the following conditions:

1. The water shall be stored in a tank as proposed prior to discharge.
2. Sampling of the water in the tank is required prior to the discharge of each batch. The sample shall be analyzed for benzene, toluene, ethylbenzene and xylene, volatile organics, and metals with results reported to Board staff prior to staff approval of the discharge of each batch. Grab samples are appropriate in this instance.
3. No water shall be discharged if levels exceed the following:
  - a. Total Petroleum Hydrocarbons - 50 parts per billion
  - b. Benzene, toluene, xylene, ethylbenzene - 5 ppb per compound.

4. This waiver expires December 7, 1990 or if terminated by the Board staff for noncompliance with conditions.

Please send monitoring results, and telephone results to Steven LuQuire of my staff at (415) 464-4222.

Sincerely,



Steven R. Ritchie,  
Executive Officer

cc: Katherine Chesick, ACHD



white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Division Inspection Form

Site ID# \_\_\_\_\_ Site Name Almar Marine Ballena Bay Today's Date 9/5/90  
 Site Address 1150 Ballena Blvd. EPA ID# \_\_\_\_\_  
 City Alameda CA Zip 94501 Phone \_\_\_\_\_

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

**Inspection Categories:**

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

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

**I.A GENERATOR (Title 22)**

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

**Comments:**

1. Tightness checks on 2ndry containment ~~of~~ for product delivery piping, 1150 Ballena Blvd, Alameda, CA 94501. Almar Marine gasoline (12000GL) & diesel (12000) tanks.

2. 9/6/90, 1:16pm  
 diesel tank 5.9 lbs/in<sup>2</sup>  
 gasoline tank 5.1 lbs/in<sup>2</sup>  
 First pressurized at 5.0 lbs/in<sup>2</sup> at 9/6/90 8:30am

3. Bubble fluid leak checks of all gased pipe joints on 2ndry containment completed. No leaks discovered.

4. gauge readings 2:55pm  
 Diesel 5.5 lbs/in<sup>2</sup>  
 gasoline 4.7 lbs/in<sup>2</sup>

5. No leaks found or indicated in 2ndry containment. Two hours on site.

**I.B TRANSPORTER (Title 22)**

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

Rev 6/88

Contact: Alvin Knackstedt Cotte Eng.  
 Title: Supt.  
 Signature: [Signature]

Inspector: William F. Faulkner  
 Signature: [Signature]

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 062 128 183

May 11, 1990

Mr. Don Anderson  
Almar Ltd. Marina  
1150 Ballena Blvd.  
Alameda, California 94501

Re: Requirements for Obtaining 5-Year Operating Permits for  
Underground Storage Tanks at Ballena Isle Marina, 1150 Ballena  
Blvd., Alameda, CA

Dear Mr. Anderson:

The following information must be submitted to our office before we will issue five-year operating permits for underground storage tanks (both existing tanks and proposed replacement tanks) at Ballena Isle Marina. Per Section 25284 (a) of the California Health and Safety Code, no person shall operate an underground storage tank unless a permit for its operation has been issued by the local agency.

**For all tanks:**

- \* Up-dated underground storage tank permit applications. Copies of these applications are enclosed. One Part A form must be completed per facility (for each business address); one Part B form must be completed for each underground tank at each facility.

**For all existing tanks installed before 1984:**

- 1) Documentation of selection and implementation of a monitoring alternative per California Code of Regulations Title 23 Sections 2640 through 2648.

Copies of the underground storage tank rules and regulations (California Code of Regulations Title 23 and the California Health and Safety Code) may be obtained from the following office:

California State Water Resources Control Board  
P.O. Box 944212  
Sacramento, California 94244  
(916) 739-4436  
Attn: David Holtry

Page 2 of 2  
Mr. Don Anderson  
Ballena Isle Marina  
May 11, 1990

For the proposed 12,000 gallon replacement tanks:

- 1) Tank and piping as-builts;
- 2) A written routine tank monitoring procedure per Title 23, Section 2632 (c) and (d)(1); and
- 3) A written response plan per Title 23, Section 2632 (d)(2).

Should you have any questions, please feel free to contact me at (415) 271-4320.

Sincerely,

*Katherine Chesick*

Katherine Chesick,  
Senior Hazardous Materials Specialist

enclosures

cc: Mr. David Cottle, Cottle Engineering  
Mr. Brian Eychler, Majors Engineering, Inc.  
Gil Jensen, Alameda County District Attorney, Consumer and  
Environmental Protection Division  
Rafat A. Shahid, Alameda County Environmental Health  
Department  
Files

P 062 128 183

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, June 1985

Sent to	
Street and No	
P.O. State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in "RETURN TO" Space on the reverse side. Failure to do so will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge)  
 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
 DON ANDERSON  
 ALMAR LTD. MARINA  
 1150 BAILENA BLVD.  
 ALAMADA, CA 94501

4. Article Number  
 P 062 128 183

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Address  
 X *Don Anderson*

6. Signature - Agent  
 X *[Signature]*

7. Date of Delivery  
 5-19-85

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

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO		FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE. <i>Katherine Check</i> SIGNED: _____ DATE: <u>3/9/90</u>	
REPORT DATE M <u>1</u> / D <u>18</u> / Y <u>90</u>		CASE # EPA # <u>CAC000216569</u>			
REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <u>Jerry Green</u>		PHONE <u>(415) 523-5528</u>	SIGNATURE <i>Jerry Green</i>	
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER <u>AGENT ASST. Mgr.</u>		COMPANY OR AGENCY NAME <u>Ballena Isle Marina</u>		
	ADDRESS <u>1150 Ballena Blvd</u> STREET <u>Alameda</u> CITY <u>CA</u> STATE <u>94501</u> ZIP				
RESPONSIBLE PARTY	NAME <u>Ballena Isle Marina</u> <input type="checkbox"/> UNKNOWN		CONTACT PERSON <u>Jerry Green</u>	PHONE <u>(415) 523-5528</u>	
	ADDRESS <u>1150 Ballena Blvd</u> STREET <u>Alameda</u> CITY <u>CA</u> STATE <u>94501</u> ZIP				
SITE LOCATION	FACILITY NAME (IF APPLICABLE) <u>Ballena Isle Marina</u>		OPERATOR <u>Don Anderson</u>	PHONE <u>(415) 523-5528</u>	
	ADDRESS <u>1150 Ballena Blvd</u> STREET <u>Alameda</u> CITY <u>CA</u> COUNTY <u>94501</u> ZIP				
	CROSS STREET <u>CENTRAL ST.</u>	TYPE OF AREA <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> OTHER <u>MARINA</u>	TYPE OF BUSINESS <input type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER <u>MARINA</u>		
IMPLEMENTING AGENCIES	LOCAL AGENCY		AGENCY NAME		CONTACT PERSON
	REGIONAL BOARD				PHONE
SUBSTANCES INVOLVED	(1) NAME <u>Regular gas</u>				QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)				<input type="checkbox"/> UNKNOWN
DISCOVERY/ABATEMENT	DATE DISCOVERED M <u>10</u> / D <u>17</u> / Y <u>90</u>		HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <u>Raised Tanks</u>		
	DATE DISCHARGE BEGAN M <u>10</u> / D <u>17</u> / Y <u>90</u>		METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER		
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <u>M 10 / D 17 / Y 90</u>				
SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER		TANKS ONLY/CAPACITY <u>12 000</u> GAL. AGE <u>5</u> YRS <input type="checkbox"/> UNKNOWN	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> OTHER <u>earthquake</u>
	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)				
CURRENT STATUS	CHECK ONE: ONLY <input checked="" type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES				
	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)				
COMMENTS	Product in product line (probably) leaked due to breakage + tank shifting as a result of the October 17, 1989 earthquake (per Brian Eychener of Meyers Engineering). Jerry Green's office reports no product leaked.				

Am 3/22

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

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25100.7 OF THE HEALTH AND SAFETY CODE. <i>Katherine Cherk</i> SIGNED	DATE <i>3/9/90</i>
--	---	--	-----------------------

REPORT DATE M <i>1</i> / D <i>8</i> / Y <i>90</i>	CASE # EPA <i>CAC000216569</i>
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REPORTED BY	NAME OF INDIVIDUAL FILING REPORT <i>Jerry Green</i>	PHONE <i>(415) 523-5528</i>	SIGNATURE <i>JR Green</i>
	REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input checked="" type="checkbox"/> OTHER <i>Agent-Asst Mang.</i>	COMPANY OR AGENCY NAME <i>Balena Isle Marina</i>	
	ADDRESS <i>1150 Balena Blvd Alameda CA 94501</i>		

RESPONSIBLE PARTY	NAME <i>Balena Isle Marina</i> <input type="checkbox"/> UNKNOWN	CONTACT PERSON <i>Jerry Green</i>	PHONE <i>(415) 523-5528</i>
	ADDRESS <i>1150 Balena Blvd Alameda CA 94501</i>		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) <i>Balena Isle Marina</i>	OPERATOR <i>Don Anderson</i>	PHONE <i>(415) 523-5528</i>
	ADDRESS <i>1150 Balena Blvd Alameda CA 94501</i>		
	CROSS STREET <i>Central St</i>	TYPE OF AREA <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> INDUSTRIAL <input type="checkbox"/> RURAL <input checked="" type="checkbox"/> RESIDENTIAL <input checked="" type="checkbox"/> OTHER <i>MARINA</i>	TYPE OF BUSINESS <input type="checkbox"/> FARM <input checked="" type="checkbox"/> OTHER <i>MARINA</i>

IMPLEMENTING AGENCIES	LOCAL AGENCY	AGENCY NAME	CONTACT PERSON	PHONE ( )
	REGIONAL BOARD			PHONE ( )

SUBSTANCES INVOLVED	(1) NAME <i>diesel</i>	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED <i>1/0 M / 1 D / 7 D / 8 Y / 9 V</i>	HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> TANK REMOVAL <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER <i>Raised Tanks</i>	<input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS
	DATE DISCHARGE BEGAN <i>1/0 M / 1 D / 7 D / 8 Y / 9 V</i>	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE <i>1/0 M / 1 D / 7 D / 8 Y / 9 V</i>		

SOURCE/CAUSE	SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input checked="" type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	TANKS ONLY/CAPACITY <i>12,000</i> GAL AGE <i>5</i> YRS <input type="checkbox"/> UNKNOWN	MATERIAL <input type="checkbox"/> FIBERGLASS <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> OTHER <i>earthquake</i>
--------------	---	--	--	---

CASE TYPE	CHECK ONE ONLY <input checked="" type="checkbox"/> UNDETERMINED <input type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)
-----------	--

CURRENT STATUS	CHECK ONE ONLY <input checked="" type="checkbox"/> SITE INVESTIGATION IN PROGRESS (DEFINING EXTENT OF PROBLEM) <input type="checkbox"/> CLEANUP IN PROGRESS <input type="checkbox"/> SIGNED OFF (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> NO FUNDS AVAILABLE TO PROCEED <input type="checkbox"/> EVALUATING CLEANUP ALTERNATIVES
----------------	--

REMEDIAL ACTION	CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input type="checkbox"/> CAP SITE (CD) <input type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (IT) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> TREATMENT AT HOOKUP (HU) <input checked="" type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> OTHER (OT)
-----------------	---

COMMENTS  
*Product in product line (probably) leaked due to breakage + tank shifting as a result of the October 17, 1989 earthquake (per Brian Eychener of Majors Engineering). Jerry Green's office reports no product leaked.*

9/4/90

Bill -

I scheduled the inspection (secondary piping) for 12:30 tomorrow (Wednesday, Sept. 5).

The inspection is at 1150 Ballena Blvd, Alameda.

See attached envelope.

Please return the envelope, your inspection notes, & the amt of time you spent on the project to me when you're done.

Thanks very much!

Katherine

LOP - RECORD CHANGE REQUEST FORM

printed:  
05/16/96

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

Insp: JMS

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 12034  
 StID : 3822      LOC: -0-  
 SITE NAME: Ballena Isle Marina      DATE REPORTED : 07/09/90  
 ADDRESS : 1150 -0 Ballena Blvd      DATE CONFIRMED: 07/09/90  
 CITY/ZIP : Alameda      94501      MULTIPLE RPs : N

SITE STATUS

-----  
 CASE TYPE: S      CONTRACT STATUS: 4      PRIOR CODE:2A2      EMERGENCY RESP: -0-  
 RP SEARCH: S      DATE COMPLETED: 03/30/92  
 PRELIMINARY ASMNT: U      DATE UNDERWAY: 12/01/92      DATE COMPLETED: -0-  
 REM INVESTIGATION: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 REMEDIAL ACTION: -      DATE UNDERWAY: -0-      DATE COMPLETED: -0-  
 POST REMED ACT MON:-      DATE UNDERWAY: -0-      DATE COMPLETED: -0-

ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 03/30/92  
 LUFT FIELD MANUAL CONSID: 2HSCA  
 CASE CLOSED: -      DATE CASE CLOSED: -0-  
 DATE EXCAVATION STARTED : 07/02/90      REMEDIAL ACTIONS TAKEN: -0-

RESPONSIBLE PARTY INFORMATION

-----  
 RP#1-CONTACT NAME: Don Anderson  
 COMPANY NAME: Almar Ltd Marina  
 ADDRESS: 1150 Ballena Blvd., #111  
 CITY/STATE: Alameda, C A 94501

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only      Case Progress Changes

ANNPGMS \_\_\_\_\_ LOP \_\_\_\_\_ DATE \_\_\_\_\_      LOP \_\_\_\_\_ DATE \_\_\_\_\_



LOP RECORD CHANGE REQUEST FORM

printed:  
06/23/93

Mark Out What Needs Changing and Hand to LOP Data Entry  
(Name/Address changes go to Annual Programs Data Entry)

AGENCY # : 10000      SOURCE OF FUNDS: F      SUBSTANCE: 12034  
 StID : 3822  
 SITE NAME: Ballena Isle Marina      DATE REPORTED : 07/09/90  
 ADDRESS : 1150 Ballena Blvd.      DATE CONFIRMED: 07/09/90  
 CITY/ZIP : Alameda 94501      MULTIPLE RPs : N

SITE STATUS

-----  
 CASE TYPE: S      CONTRACT STATUS: 4      EMERGENCY RESP:  
 RP SEARCH: S                DATE COMPLETED: 03/30/92  
 PRELIMINARY ASMNT:      DATE UNDERWAY:      DATE COMPLETED:  
 REM INVESTIGATION:      DATE UNDERWAY:      DATE COMPLETED:  
 REMEDIAL ACTION:      DATE UNDERWAY:      DATE COMPLETED:  
 POST REMED ACT MON:      DATE UNDERWAY:      DATE COMPLETED:  
 ENFORCEMENT ACTION TYPE: 1      DATE ENFORCEMENT ACTION TAKEN: 03/30/92  
 LUFT FIELD MANUAL CONSID: 2  
 CASE CLOSED:      DATE CASE CLOSED:  
 DATE EXCAVATION STARTED : 07/02/90      REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

-----  
 RP#1-CONTACT NAME: Don Anderson  
 COMPANY NAME: Almar Ltd Marina  
 ADDRESS: 1150 Ballena Blvd., #111  
 CITY/STATE: Alameda, C A 94501

INSPECTOR VERIFICATION:

NAME \_\_\_\_\_ SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

DATA ENTRY INPUT:

Name/Address Changes Only			Case Progress Changes	
ANPPGMS _____	LOP _____	DATE _____	LOP _____	DATE _____

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)

FACSIMILE TRANSMITTAL

TO:

569-0505

Fax Phone Number

Floor/Room #

Name: Mark Thomson, Jr.

Title/Section

Agency:

Address:

Phone #: ( )

FROM:

568-3706

Fax Phone Number

Floor/Room #

Date:

Time Sent:

Sender: Ravi

Title/Section

Phone #: ( )

Number of Pages Including Transmittal Sheet:

2

Special Instructions/Comments:

## APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

( ) 01 NEW PERMIT ( ) 05 RENEWED PERMIT ( ) 07 TANK CLOSED ( ) 09 DELETE FROM FILE (NO FEE)  
 ( ) 02 CONDITIONAL PERMIT ( ) 06 AMENDED PERMIT ( ) 08 MINOR CHANGE (NO SURCHARGE)

## I OWNER

NAME (CORPORATION, INDIVIDUAL OR PUBLIC AGENCY) SOLANO UNION 76		PUBLIC AGENCY ONLY ( ) 01 FED ( ) 02 STATE ( ) 03 LOCAL	
STREET ADDRESS 1830 SOLANO AVENUE	CITY BERKELEY	STATE CA	ZIP 94767

## II FACILITY

FACILITY NAME SOLANO UNION 76		DEALER/FOREMAN/SUPERVISOR KAM TANG	
STREET ADDRESS 1830 SOLANO AVE		NEAREST CROSS STREET COLUSA ST.	
CITY BERKELEY		COUNTY ALAMEDA	ZIP 94707
MAILING ADDRESS 1830 SOLANO AVE	CITY BERKELEY	STATE CA	ZIP 94707
PHONE W/AREA CODE 415-531-0457	TYPE OF BUSINESS (X) 01 GASOLINE STATION ( ) 02 OTHER		
NUMBER OF CONTAINERS 3	RURAL AREAS ONLY :	TOWNSHIP	RANGE SECTION

## III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE TANG KAM 415-537-0457	NIGHTS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE MOCK CHUCK 415-352-4912
---	---

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

## IV DESCRIPTION

A. (X) 01 TANK ( ) 04 OTHER:	CONTAINER NUMBER 1
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG: C. YEAR INSTALLED 1983 (X) UNKNOWN
D. CONTAINER CAPACITY: 12000 GALLONS ( ) UNKNOWN	E. DOES THE CONTAINER STORE: ( ) 01 WASTE (X) 02 PRODUCT
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? (X) 01 YES ( ) 02 NO IF YES CHECK APPROPRIATE BOX(ES): (X) 01 UNLEADED ( ) 02 REGULAR ( ) 03 PREMIUM ( ) 04 DIESEL ( ) 05 WASTE OIL ( ) 06 OTHER	

## V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: ( ) GAUGE ( ) INCHES ( ) CM (X) UNKNOWN
B. ( ) 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) ( ) 02 NON-VAULTED (X) 03 UNKNOWN
C. ( ) 01 DOUBLE WALLED ( ) 02 SINGLE WALLED ( ) 03 LINED
D. ( ) 01 CARBON STEEL ( ) 02 STAINLESS STEEL (X) 03 FIBERGLASS ( ) 04 POLYVINYL CHLORIDE ( ) 05 CONCRETE ( ) 06 ALUMINUM ( ) 07 STEEL CLAD ( ) 08 BRONZE ( ) 09 COMPOSITE ( ) 10 NON-METALLIC ( ) 12 UNKNOWN ( ) 13 OTHER:



**BALLENA ISLE  
MARINA**

**DON ANDERSON**  
Harbormaster

An ALMAR LTD. Marina  
1150 Ballena Boulevard, Suite 111, Alameda, California 94501-3682  
Tel: (510) 523-5528 Fax: (510) 865-2257

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