

# ALL ENVIRONMENTAL, INC.

Environmental Engineering & Construction

2641 Crow Canyon Rd., Ste. 5 • San Ramon, CA 94583 • (510) 820-3224

ALCO  
HAZMAT  
94 JAN 28 AM 11:29

January 26, 1994

Mr. R. N. Stefan  
La Mirada Association  
18 Sunnyside Lane  
Orinda, CA 94563

Dear Mr. Stefan:

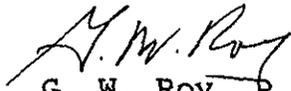
Re: **Soil Boring and Monitoring Well Installation Work Plan**  
**5965 Dougherty Road, Dublin, CA**

We are enclosing one copy of the Work Plan for Soil Boring and Monitoring Well Installation at 5965 Dougherty Road, Dublin.

We are also forwarding one copy of this work plan to Ms. Eva Chu at the Alameda County Health Care Services Agency (ACHCSA).

Please call me should you have any questions.

Sincerely,



G. W. Roy, P.E. Guy

c.c. Ms. E. Chu, ACHCSA

*Send letter offering w/ addressing follow,*

*pp. 5,7,8*

*Steve Penshorn*

*See  
1/28/94*

ALCO  
HAZMAT

94 JAN 28 AM 11:29

*shd 4107*

**SOIL BORING AND  
MONITORING WELL INSTALLATION  
WORK PLAN  
5965 Dougherty Road  
Dublin, CA 94568**

*see pg 5, 7, 8*

*O.S. Inc*

**Prepared For**

**La Mirada Association  
18 Sunnyside Lane  
Orinda, CA 94563**

**Prepared By**

**All Environmental, Inc.  
2641 Crow Canyon Road, Suite 5  
San Ramon, CA 94583**



*1/26/94*

**January 13, 1994**

## TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	SITE DESCRIPTION	1
3.0	SITE BACKGROUND	4
4.0	GEOLOGY AND HYDROGEOLOGY	4
5.0	SOIL BORING INVESTIGATION	5
6.0	GROUNDWATER INVESTIGATION	8
7.0	SITE SAFETY	10
8.0	ESTIMATED SCHEDULE	10
9.0	FINAL REPORT	11

## LIST OF FIGURES

FIGURE 1:	SITE LOCATION MAP
FIGURE 2:	SITE MAP
FIGURE 3:	BORING AND WELL LOCATION MAP
FIGURE 4:	TYPICAL WELL CONSTRUCTION DIAGRAM

## LIST OF APPENDICES

APPENDIX A:	TANK REMOVAL FINAL REPORT
APPENDIX B:	HEALTH & SAFETY PLAN
APPENDIX C:	SAMPLING QA/QC PROCEDURE

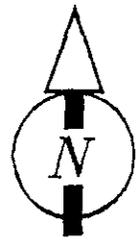
## **1.0 INTRODUCTION**

All Environmental, Inc. (AEI) has prepared this workplan on behalf of La Mirada Association, in response to their request for a soil and groundwater investigation at 5965 Dougherty Road in Dublin, California. The proposed site assessment activities have been initiated by the property owner in accordance with the Regional Water Quality Control Board's requirements. AEI proposes soil boring and the installation of one groundwater monitoring well in the boring. This subsurface investigation would include borehole "logging", soil sampling and analysis, well development, groundwater sampling and analysis, and determining the groundwater gradient via well elevation surveying. Prior to the commencement of field activities, this work plan will be approved by the Alameda County Health Care Services Agency, and well construction permits will be obtained from the Alameda County Flood Control and Water Conservation District, Zone 7.

## **2.0 SITE DESCRIPTION**

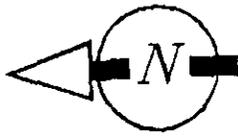
The site is located less than 1/2 of a mile north of Interstate 580 and less than 1 mile east of Interstate 680 in Dublin, in the San Ramon Valley region of California. (Figure 1: Site Location Map). The topography of the site is relatively flat. The nearest surface water is Alamo Canal, located approximately 2,200 feet to the west.

The property is located on the east side of Dougherty Road near the Dougherty Road/Sierra Lane intersection. One building is located on the property, which contains both a supply warehouse and a supply store with offices. There is a fenced supply yard behind the building which previously contained two underground storage tanks. (Figure 2: Site Map)



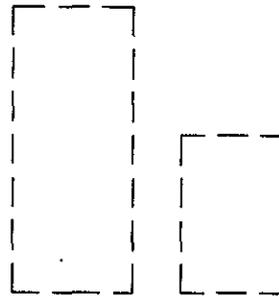
<b>ALL ENVIRONMENTAL, INC.</b> 2641 CROW CANYON RD, SAN RAMON		
SCALE: 1 INCH = 2200 FEET	APPROVED BY:	DRAWN BY: S.P.
DATE: 1/14/94		REVISED: S.P.
<b>SITE LOCATION MAP</b>		
<b>5965 DOUGHERTY ROAD</b>		DRAWING NUMBER: <b>FIGURE 1</b>

From Thomas Bros. Map - 1992



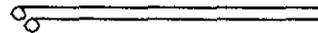
MATERIALS YARD

FORMER  
DISPENSER  
LOCATIONS



FORMER UST  
LOCATIONS

AGORRA BUILDING SUPPLY, INC.  
5965 DOUGHERTY RD.  
DUBLIN, CA



GATE

PROPERTY LINE

WALL

PARKING

DOUGHERTY RD.

ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: NOT TO SCALE	APPROVED BY:	DRAWN BY: S.P.
DATE: 1/14/94		REVISED: S.P.
SITE MAP		
5965 DOUGHERTY RD.		DRAWING NUMBER: FIGURE 2

### **3.0 SITE BACKGROUND**

One 10,000 gallon steel diesel underground storage tank, and one 2,000 gallon steel gasoline underground storage tank were removed from the property on October 27, 1993. The property currently contains Agorra Building Supply, Inc., but the two underground storage tanks that were removed from the property had not been used since previous tenants operated the tanks for personal company use.

As the tank removal report detailed, the soil around the underground storage tanks had a moderate odor and hydrocarbon contamination in excess of Tri-Regional Board Guidelines for "actionable" limits. 1,700 parts per billion of TPH-diesel was measured in the water encountered in the bottom of the tank pit.

### **4.0 GEOLOGY AND HYDROGEOLOGY**

The site is located on semi-consolidated and unconsolidated Quaternary alluvium which was deposited in lake, playa, and stream environments in the San Ramon Valley. Quaternary alluvium is composed primarily of clay, silt, sand and gravel. The elevation of groundwater in the vicinity has been reported to be between 320 and 330 feet above mean sea level (Killingsted 1988, pers. comm.), although thin lenses of perched water bearing permeable sands and gravels can be found at depths as shallow as 9' below grade. Groundwater flow is generally to the southwest.

## 5.0 SOIL BORING INVESTIGATION

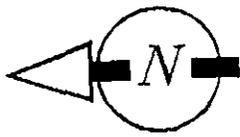
The plan for site investigation includes hollow stem auger drilling, soil sampling and analysis, monitoring well construction, well development, and groundwater sampling and analysis. Gasoline, Diesel, and BTEX contaminated soils were identified in the former underground storage tank excavation. Following overexcavation, laboratory analyses of the soil samples confirmed that the contaminated soil was successfully removed.

The focus of this investigation is to determine the possible migration of hydrocarbon contamination in the soil and groundwater with variation of depth. Soil and groundwater samples will be submitted for chemical analyses of total petroleum hydrocarbons as gasoline (EPA 5030/8015), total petroleum hydrocarbons as diesel (EPA 3550/8015), BTEX (EPA 5030/8020), and lead (AA) at a state certified laboratory (Priority Environmental Labs).

AEI is proposing installation of a single, downgradient well at this time due to the presence of 5 wells on the adjacent property north of the site, and one well on the site east of the former tank locations. AEI located the well south of the former location of the underground tanks (see Figure 3) in the belief that the groundwater flows in a southerly direction. In the unlikely event that this is not confirmed by elevations from the two wells on the site and some or all of the wells on the adjacent (North) site, one additional well will be installed. This would result in three wells on the site, at least one of which would be in a confirmed downgradient location.

*Show new  
on site plan*

A Mobile Drill B-57 or CME 75 hydraulic rotary drill with 6.25" I.D. by 10.5" O.D. hollow stem augers will be used. Drilling will proceed to first encountered groundwater plus 10 feet, with an expected maximum of 30 feet depth below grade. If groundwater is not encountered in the first 50 feet of strata, the boring will be backfilled with neat portland cement.

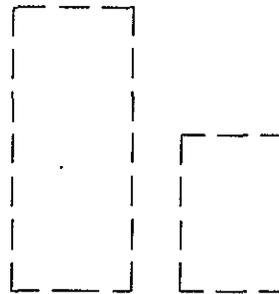


PREVIOUSLY EXISTING  
MONITORING WELL



MATERIALS YARD

FORMER  
DISPENSER  
LOCATIONS



MW-1

FORMER UST  
LOCATIONS

WALL

GATE

PARKING

PROPERTY LINE

AGORRA BUILDING SUPPLY, INC.  
5965 DOUGHERTY RD.  
DUBLIN, CA

DOUGHERTY RD.

ALL ENVIRONMENTAL, INC.  
2641 CROW CANYON RD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: S.P.

DATE: 1/25/94

REVISED: S.P.

BORING AND WELL LOCATION MAP

5965 DOUGHERTY RD.

DRAWING NUMBER  
FIGURE 3

The soil boring will be continuously logged onsite by a geologist using the Unified Soil Classification System. Undisturbed soil samples will be taken at 5 foot intervals, starting at 5 foot depth, with a hammer driven California Modified split spoon sampler. The sampler will be advanced ahead of the auger tip by successive hammer blows. The samples will be collected for visual classification and chemical analysis in two inch brass tubes. A total of two soil samples from the boring will be analyzed at a state certified laboratory. The soil samples selected for chemical testing will be determined by the geologist onsite at the time of sampling. Soil samples obtained during drilling will be screened in the field via sensory perceptions and portable organic vapor meter.

*and change  
to laboratory  
or otherwise  
contain soil*

Samples designated for laboratory analysis will be sealed on the ends with aluminum foil, plastic caps, and tape. The samples will be placed in an ice chest with dry ice and delivered to a State certified laboratory with chain of custody documents. All soil samples will be analyzed for TPH-gasoline (EPA 5030/8015), BTEX (EPA 8020) and Total Lead (AA).

*and TPH-D  
at capillary  
freeze*

A detailed description of sample collection and handling procedures by Priority Labs is appended to this work plan (Appendix C: Sampling Quality Assurance and Quality Control Procedure).

All sampling equipment will be cleaned in buckets with brushes and a TSP or Alconox solution, then rinsed twice with tap water. The drill rig and augers will be steam cleaned prior to drilling and onsite before departure. Rinsates will be contained onsite in sealed, labeled drums.

Cuttings generated during drilling will be stored onsite in 55 gallon drums. Onsite treatment or offsite disposal of contaminated drill cuttings is not a part of this work scope. It is likely that a licensed hauler will be contracted to transport the soils as non-hazardous waste, under appropriate manifests, to a local landfill facility.

## 6.0 GROUNDWATER INVESTIGATION

The soil boring, as described above, will be converted to a 2" monitoring well. The well will be constructed of 2 inch flush threaded Schedule 40 PVC casing, with up to 15 feet of .01" or .02" factory-slotted well screen. The top of the well screen will extend up to 3 feet above the encountered groundwater level to account for seasonal fluctuations (Figure 4: Typical Well Construction Diagram). The well casing will be inserted through the augers to a point a few inches above the borehole terminus where it will be suspended until the well is secured within the sand pack. Sand (#2 or #3) will be poured through the augers in one- to two-foot lifts up to about two feet above the top of the perforated casing. One to two feet of bentonite pellets will be placed above the sand, and activated with tap water. The seal will be finished up to the surface with tremmied cement/bentonite grout. A locking top cap and a flush-mounted watertight well cover will be installed.

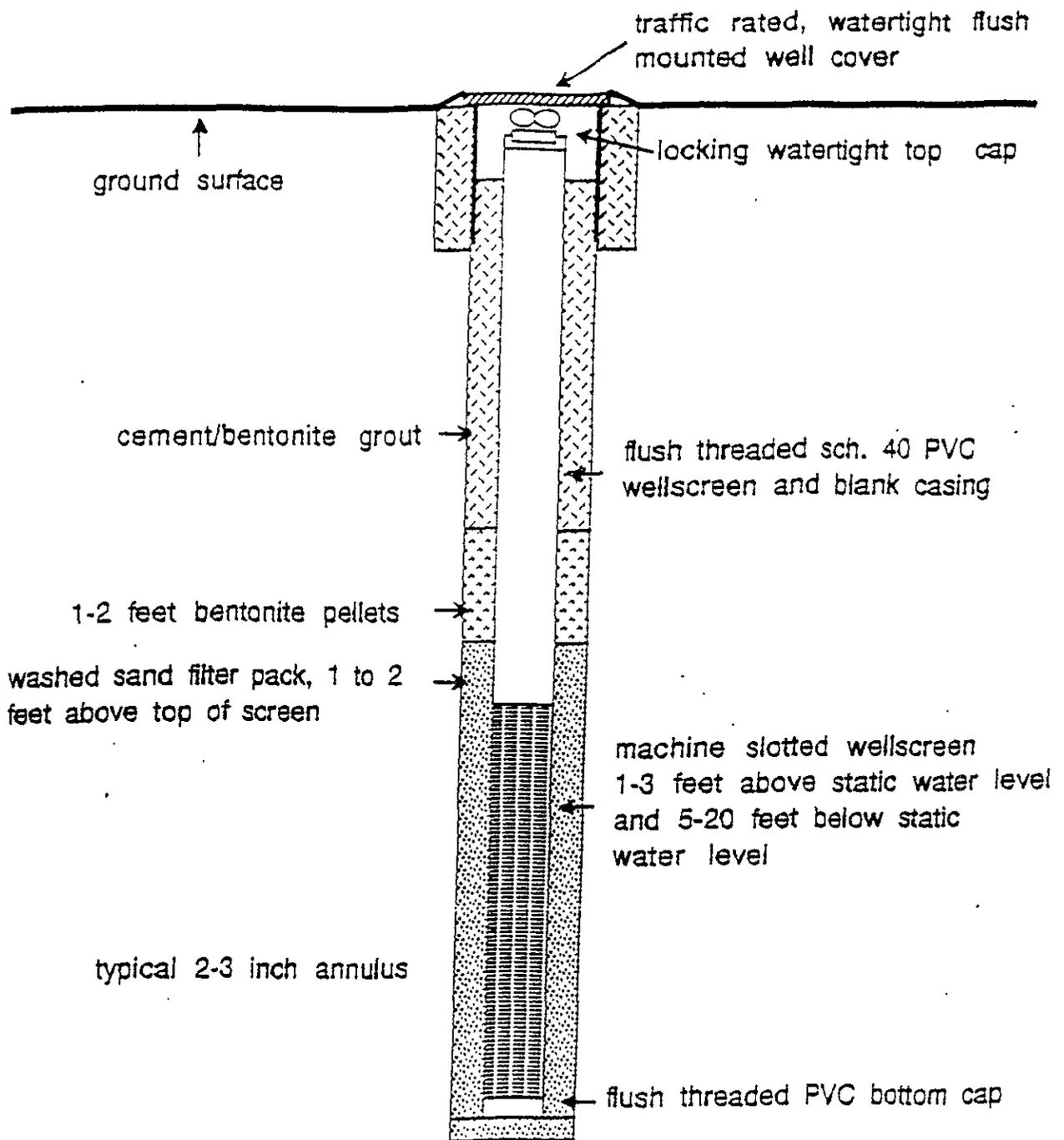
The well will be developed by surging and bailing of water into a DOT 17H drum until the water appears to be reasonably clear with a minimum of 5 well volumes removed.

*at least  
24 hrs after  
well construct*

Groundwater will be checked for sheen and free product prior to purging and sampling. Free product and sheen will be measured with an acrylic bailer which will be lowered slowly to the groundwater surface and filled about half full for direct observation.

Prior to obtaining water samples from the monitoring well, not less than 5 well volumes of water will be bailed from the well. The well will be allowed to recharge and samples will be obtained in a precleaned bailer, secured in 40 ml volatile organic analysis vials, placed in a cooler with wet ice and delivered to a State certified laboratory with chain of custody documents. All water samples will be analyzed for TPH-gasoline (EPA 5030/8015), TPH-diesel (EPA 3550/8015) and BTEX (EPA 602). Well development and sampling equipment will be decontaminated as described above.

*- 1 liter bottles  
for TPH-D*



<b>ALL ENVIRONMENTAL, INC.</b> 2641 CROW CANYON RD, SAN RAMON		
SCALE: NOT TO SCALE	APPROVED BY:	DRAWN BY: S.P.
DATE: 1/14/94		REVISED: S.P.
<b>WELL CONSTRUCTION DIAGRAM</b>		
5965 DOUGHERTY ROAD	DRAWING NUMBER: <b>FIGURE 4</b>	

## **7.0 SITE SAFETY**

Prior to commencement of field activities, a site safety meeting will be held at a designated command post near the working area. Emergency procedures will be outlined at this meeting. Also, the hazards of the known or suspected chemicals of interest will be explained. Level D personal protection equipment is the anticipated maximum amount of protection needed. A site safety plan which conforms to Part 1910.120 (i) (2) of 29 CFR will be on site at all times during the performance of this project. (Appendix D: Health & Safety Plan)

A working area will be established with barricades and warning tape to delineate the zone where hard hats and steel-toe shoes must be worn, and where unauthorized personnel will not be allowed. If, during drilling, fuel product odors are deemed to be substantial, half-face respirators with organic vapor cartridges will be worn.

A nearby hospital will be designated in the site safety plan as the emergency medical facility of first choice. A map with a course plotted to the hospital will be onsite.

## **8.0 ESTIMATED SCHEDULE**

Upon acceptance of this workplan by the Alameda County Health Services Department, work will commence within a two week period. Both the Alameda County Health Services Department and the Alameda County Water District will be given adequate notification of the scheduled day of drilling. Soil and groundwater laboratory results will be obtained within two weeks of collection. The final report will be prepared and copies will be delivered to

the Alameda County Health Care Services Department (ACHCSA), the Regional Water Quality Control Board (CRWQCB) and the Alameda County Water District. A table describing the project schedule is as follows:

Week 1:	Workplan Preparation
Week 2 & 3:	Review of Workplan by the ACHCSA
Week 4:	Drilling and Well Sampling
Week 5:	Laboratory Analysis
Week 6:	Preparation of Final Reports

## **9.0 FINAL REPORT**

A complete and final report of methods, findings, and conclusions from work proposed herein will be submitted to the client for forwarding to the appropriate agencies. The report will be submitted under the seal of a State Registered Geologist and a State Registered Chemical Engineer, Mr. Guy Roy (#3187). Mr. Roy and the staff of All Environmental, Inc. have implemented hundreds of tank removal, site investigation, and remediation projects throughout California.

**APPENDIX A**  
**TANK REMOVAL FINAL REPORT**

**UNDERGROUND STORAGE TANK REMOVAL  
FINAL REPORT  
5965 Dougherty Road  
Dublin, CA 94568**

Prepared for:

La Mirada Association  
18 Sunnyside Lane  
Orinda, CA 94563

Prepared by:

**ALL ENVIRONMENTAL, INC.**  
2641 Crow Canyon Road, Suite 5  
San Ramon, CA 94583



12/3/93

## TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	PERMITS	1
3.0	LIQUID REMOVAL	4
4.0	MOBILIZATION, EXCAVATION AND REMOVAL	4
5.0	SAMPLING AND ANALYSIS	5
6.0	BACKFILLING AND RESURFACING	9
7.0	CONTAMINATED SOIL PROFILING AND OFFHAUL	9
8.0	DISCUSSION AND CONCLUSIONS	10
9.0	REPORT LIMITATIONS	11

## LIST OF FIGURES

FIGURE 1:	SITE LOCATION MAP
FIGURE 2:	SITE MAP
FIGURE 3:	SAMPLE LOCATION MAP

## LIST OF APPENDICES

- APPENDIX A: PERMITS AND NOTIFICATIONS
- APPENDIX B: HAZARDOUS WASTE MANIFESTS  
AND TANK DISPOSAL DOCUMENTS
- APPENDIX C: ACHCSA INSPECTION FORM
- APPENDIX D: NON HAZARDOUS WASTE MANIFESTS  
FOR CONTAMINATED SOIL DISPOSAL
- APPENDIX E: LABORATORY ANALYSES AND  
CHAIN OF CUSTODY DOCUMENTS

## **1.0 INTRODUCTION**

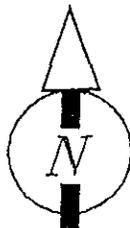
All Environmental Inc. (AEI) has prepared this final report to document the recent underground storage tank (UST) removal activities performed at 5965 Dougherty Road in Dublin, California (Figure 1: Site Location Map and Figure 2: Site Map). There were two underground storage tanks removed from the property. The two tanks consisted of one 10,000 gallon steel diesel tank and one 2,000 gallon steel gasoline tank. The property currently contains Agorra Building Supply, Inc., but the tanks have gone unused since previous property tenants operated the tanks for personal company use.

The two tanks were located in the materials supply yard behind the southeast side of the warehouse adjacent to the southern property boundary. For simplification reasons only, the 10,000 gallon UST was designated as Tank 1 while the 2,000 gallon UST was designated as Tank 2. Both tanks laid parallel to each other, approximately 2' apart, with tank 2 located nearest to the south property line.

All Environmental was contracted, by the property owners, to obtain all necessary permits, remove residual liquids from the underground storage tanks, remove and dispose of the tanks, perform soil sampling and analyses, backfill the excavations and resurface the tank removal areas with asphalt and concrete.

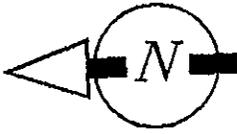
## **2.0 PERMITS, NOTIFICATIONS**

An Underground Tank Closure Plan was approved by the Alameda County Health Care Services Agency on October 18, 1993. Ms. Eva Chu was the on-site Hazardous Material Specialist representing the Agency at this project. A Dougherty Regional Fire Authority tank removal permit was acquired on October 21. Fire inspector, Tom Hethcox, was the department's representative assigned to this project. On October 21, the Bay Area Air



From Thomas Bros. Map - 1993

<b>ALL ENVIRONMENTAL, INC.</b> 2641 CROW CANYON RD, SAN RAMON		
SCALE: 1 INCH = 2,200 FT.	APPROVED BY:	DRAWN BY: G.H.
DATE: 11/8/93		REMOVED: G.H.
<b>SITE LOCATION MAP</b>		
<b>5965 DOUGHERTY RD.</b>		DRAWING NUMBER: <b>FIGURE 1</b>

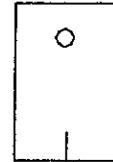


MATERIALS YARD

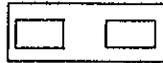
10,000-GAL  
UST



2,000-GAL  
UST



DISPENSERS



AGORRA BUILDING SUPPLY, INC.  
5965 DOUGHERTY RD.  
DUBLIN, CA



GATE

PARKING

PROPERTY LINE

WALL

DOUGHERTY RD.

ALL ENVIRONMENTAL, INC.  
2641 CROW CANYON RD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: S.P.

DATE: 11/19/93

REVISED: S.P.

SITE MAP

5965 DOUGHERTY RD.

DRAWING NUMBER:  
FIGURE 2

Quality Management District and Cal OSHA were notified of the UST activities. A City of Dublin building permit and building license were issued on October 26. The excavation area was marked with white paint and Dig Alert was notified (Notification # 326099) of AEI's intentions to excavate. Copies of all permits and notification documents are contained in Appendix A.

### **3.0 LIQUID REMOVAL**

On October 27, 1993, approximately 85 gallons of residual petroleum liquids were removed from the UST's with a Waste Oil Recovery Systems, Inc. vacuum truck. The vacuum truck transported the liquid to the Demenno-Kerdoon facility located at 2000 N. Alameda, Compton, California, for disposal. The hazardous waste manifest for the transportation of these liquids can be found in Appendix B.

### **4.0 MOBILIZATION, EXCAVATION & REMOVAL**

AEI removed the concrete and asphalt surface above the underground storage tanks on October 27, 1993. Excavation of the tank pits was initiated, and excavated soil was stockpiled on concrete and covered with 0.01 ml plastic sheeting. Two distinct stockpiles were created and designated STKP 1 and STKP 2. STKP 1 totaled approximately 80 cubic yards and resulted from the excavation of soil above and around the east end of tank 1. STKP 2 totaled approximately 100 cubic yards and originated from the excavation of tank 2 and the west end of tank 1. Soil from both stockpiles had a moderate petroleum hydrocarbon odor. Temporary fencing was placed around all working areas to protect the general public.

On October 28, 1993, the tanks were further uncovered, all related piping was disconnected and the tanks prepared for removal. Each of the tanks (Tanks 1 and 2) were verified as

being single wall steel tanks of 10,000 and 2,000 gallon capacity respectively. The tanks were close enough together so that a single excavation was left upon their removal. No electrical, sewer or water lines were encountered during the removal of the UST's.

Fill, vent, gauge and product supply lines were disconnected and disposed of with the underground storage tanks. Dispensers were disconnected and removed from the site.

The tanks were inerted with no less than 3.0 lbs. of dry ice for each 100 gallons of tank volume. The Lower Explosive Limit (LEL) and oxygen content in each tank were noted to be safe and the tanks were removed from the excavations between 12:30 p.m. and 2:00 p.m. on November 4. Ms. Eva Chu of the Alameda Count Health Care Services Agency and Fire Inspector for the Dougherty Regional Fire Authority, Tom Hethcox, were present during the tank removal and loading operation.

The tanks were visually inspected prior to loading for transportation. The 10,000 gallon diesel tank was noted to be in good condition with no obvious holes. The original tar wrapping around the tank was mostly intact. The 2,000 gallon gasoline tank had partially dissolved tar wrapping, but no rusting or obvious holes were apparent. A copy of Ms. Chu's inspection form which documents the tank removal, as well as, specific tank conditions can be found in Appendix C. The tanks were loaded and transported by a licensed hazardous waste hauler (Erickson, Inc.), under a hazardous waste manifest, to the Erickson Disposal Facility in Richmond, California. The tanks were triple rinsed, cut up, and sold as scrap metal. A copy of the Hazardous Waste Manifests for the tanks are located in Appendix B.

## **5.0 SAMPLING AND ANALYSIS**

Confirmation sampling of the native soil at various locations was performed under the instructions of Ms. Eva Chu of the Alameda County Health Care Services Agency and

according to the Tri-regional Board Guidelines. A total of four soil samples were collected and analyzed from the excavations. Two soil samples were taken from beneath the diesel tank and two soil samples were taken from beneath the gasoline tank. The backhoe bucket was used to obtain native soil samples from one to two feet beneath the tank inverts. Three water samples were then taken from water encountered in the bottom of the tank pit.

A total of eight soil samples were taken from the 2 stockpiles (STKP 1 and STKP 2) which, for analysis purposes, the laboratory composited into two distinct sample groups according to the stockpiles they were taken from.

Two soil samples were obtained from beneath the dispensers. One sample was taken from underneath the south dispenser at a depth of 5' and one sample was taken from beneath the north dispenser at a depth of 4'.

The soil beneath the tanks was primarily brown sandy clay with no hydrocarbon odor. The four soil samples obtained from the excavation were selected in a grid type pattern. The samples were designated according to the tank ("G" for gasoline and "D" for diesel) under which they were taken, by which tank end (east-E or west-W) they were taken from, and the depth of the sample below ground surface (in feet).

All soil samples were collected by driving a 6-inch by 2-inch brass tube into the soil using a wooden mallet. The samples of stockpiled material were taken as four sub-samples, which were composited as one sample at the laboratory. All soil samples were secured using aluminum foil and teflon caps, sealed with duct tape, then placed on ice and transported, under chain of custody procedures, to Priority Environmental Labs (State Certification # 1708) in Milpitas, California.

The four samples from native soil beneath the tanks, the one sample from underneath the south dispenser and the one sample from underneath the north dispenser were analyzed for Total Petroleum Hydrocarbons (TPH) as diesel and Total Petroleum Hydrocarbons (TPH) as

gasoline with Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) distinction. Stockpiled soil was analyzed for Total Petroleum Hydrocarbons (TPH) as diesel, Total Petroleum Hydrocarbons (TPH) as gasoline with Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) distinction, and total lead. One water sample (GW-3C) was analyzed for Total Petroleum Hydrocarbons (TPH) as diesel and one water sample (GW-1A) was analyzed for Total Petroleum Hydrocarbon (TPH) as gasoline. All sample results can be found in Table 1 (Sample Analyses). EPA analytical methods, as shown in Table 2, were used. All sampling locations are shown on Figure 3 (Sample Location Map).

**Table 1: Sample Analyses**

Sample I.D.	Gasoline (mg/kg)	Diesel (mg/kg)	Total Lead (mg/kg)	Benzene (ug/kg)	Toluene (ug/kg)	Ethyl Benzene (ug/kg)	Xylenes (ug/kg)
DISP 1S 5'	N.D.	290	---	N.D.	N.D.	N.D.	N.D.
DISP 2N 4'	15	5.9	---	8.9	14	16	35
DBE 12'6"	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.
DBW 12'6"	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.
GBE 9'6"	N.D.	N.D.	---	N.D.	N.D.	N.D.	N.D.
GBW 9'6"	1.0	N.D.	---	N.D.	N.D.	5.1	13
STKP 1-4E*	13	N.D.	9.8	8.8	23	41	110
STKP5-8W*	11	26	8.8	7.3	21	34	91
GW-1A **	1700	---	---	4.8	11	15	32
GW-3C **	---	N.D.	---	---	---	---	---

(mg/kg) = ppm or parts per million

---- = not analyzed

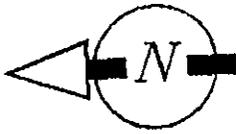
(ug/kg) = ppb or parts per billion

\* Compositied soil samples

N.D. = Not Detected

\*\* in ug/L

Copies of the analytical results and chain of custody are located in Appendix E.



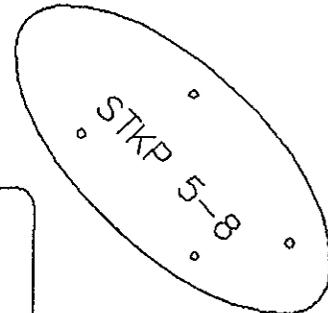
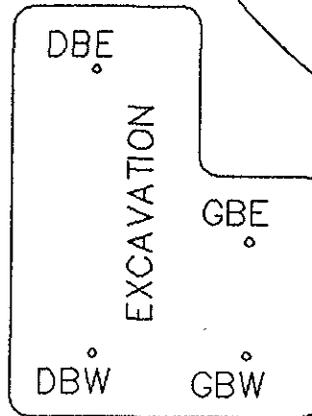
MATERIALS YARD

DISP 2N      DISP 1S

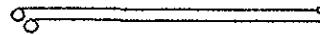


AGORRA BUILDING SUPPLY, INC.  
5965 DOUGHERTY RD.  
DUBLIN, CA

DOUGHERTY RD.



WALL



GATE

PARKING

PROPERTY LINE

ALL ENVIRONMENTAL, INC.  
2641 CROW CANYON RD, SAN RAMON

SCALE: NOT TO SCALE

APPROVED BY:

DRAWN BY: S.P.

DATE: 11/19/93

REVISED: S.P.

SAMPLE LOCATIONS

5965 DOUGHERTY RD.

DRAWING NUMBER:  
FIGURE 3

**Table 2: EPA Analytical Methods**

<b>Constituent</b>	<b>EPA Method</b>
TPH-gasoline	5030/8015
TPH-diesel	3550/8015
BTEX	8020
Total Lead	7420

## **6.0 BACKFILLING AND RESURFACING**

On November 10, 1993, the gasoline tank pit was backfilled with 115.68 yards of pea-gravel in order to bridge the groundwater. City grade base was used to complete the backfill. The excavation was backfilled in one foot lifts and compacted to prevent long term settling. On December 2, the site was resurfaced with asphalt and concrete to match the existing surroundings.

## **7.0 CONTAMINATED SOIL PROFILING AND OFFHAUL**

The contaminated stockpiles were profiled for disposal at the Vasco Road Sanitary Landfill in Livermore, California. On November 19, 1993, 180 cubic yards of stockpiled soil was loaded and transported by Dellafosse Trucking, Inc., under non-hazardous waste manifests, to the Vasco Road Sanitary Landfill. Copies of the non-hazardous waste manifests are located in Appendix D.

## 8.0 DISCUSSION & CONCLUSIONS

One 10,000 gallon diesel UST and one 2,000 gallon gasoline UST were removed from the property located at 5965 Dougherty Road in Dublin, California and transported as hazardous waste to the Erickson Disposal Facility in Richmond, California. Soil samples were then collected and analyses performed on samples obtained from soil beneath the UST's, from within the stockpiled soil, from water encountered beneath the UST's and from soils beneath each dispenser.

Soil sample analyses indicated low levels of TPH-gasoline and TPH-diesel contamination throughout the stockpiled material. Soil samples from beneath the tanks showed non-detectable concentrations of TPH-diesel with TPH-gasoline concentrations ranging from non-detectable to 1 ppm.

A TPH-diesel concentration of 290 ppm was measured in soil sample DISP-1S 5' beneath the south dispenser. Due to the low concentrations and the close proximity (1.5' to the north) of sample DISP-2N 4' taken underneath the north dispenser, the extent of contamination appears to be minimal. No overexcavation appears to be necessary.

A TPH-gasoline concentration of 1,700 ppb was measured in groundwater sample GW-1A. Since there was no indication of a significant release from either tank, it is likely that the low level of gasoline in the groundwater sample resulted from contaminated soil falling into the water at the base of the excavation. It is highly unlikely that groundwater has been impacted from these tanks.

## 9.0 REPORT LIMITATIONS

This report presents a summary of work completed by All Environmental, Inc., including observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

All Environmental, Inc. warrants that all services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

**APPENDIX A**  
**PERMITS AND APPLICATIONS**



# BAY AREA AIR QUALITY MANAGEMENT DISTRICT

939 ELLIS STREET  
SAN FRANCISCO, CALIFORNIA 94109  
(415) 771-6000

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

## NOTIFICATION FORM

Removal or Replacement of Tanks  
 Excavation of Contaminated Soil

### SITE INFORMATION

SITE ADDRESS <u>5965 DOUGHERTY ROAD</u>	
CITY, STATE <u>DUBLIN, CA</u>	ZIP _____
OWNER NAME <u>LA MORADA ASSOCIATION</u>	
SPECIFIC LOCATION OF PROJECT _____	
<b>TANK REMOVAL</b>	<b>CONTAMINATED SOIL EXCAVATION</b>
SCHEDULED STARTUP DATE <u>10/27/93</u>	SCHEDULED STARTUP DATE _____
VAPORS REMOVED BY:	STOCKPILES WILL BE COVERED? YES ___ NO ___
<input checked="" type="checkbox"/> WATER WASH	ALTERNATIVE METHOD OF AERATION (DESCRIBE BELOW):
<input checked="" type="checkbox"/> VAPOR FREEING (CO <sup>2</sup> )	_____
<input type="checkbox"/> VENTILATION	(MAY REQUIRE PERMIT)

### CONTRACTOR INFORMATION

NAME <u>ALL ENVIRONMENTAL INC.</u>	CONTACT <u>STEVE DEHOPE</u>
ADDRESS <u>2641 CROW CANYON Rd. Ste 5</u>	PHONE (510) <u>820-3224</u>
CITY, STATE, ZIP _____	

### CONSULTANT INFORMATION

(IF APPLICABLE)

NAME <u>SAME AS ABOVE</u>	CONTACT _____
ADDRESS _____	PHONE ( ) _____
CITY, STATE, ZIP _____	

### FOR OFFICE USE ONLY

DATE RECEIVED FAX _____	BY _____	(init.)
DATE POSTMARKED _____	BY _____	(init.)
CC: INSPECTOR NO. _____	DATE _____	BY _____
UPDATE: CONTACT NAME _____	DATE _____	BY _____
BAAQMD N # _____	DATA ENTRY _____	(init.)

# Permit Application and Job Notification Form

Construction Demolition Trenches Excavation Buildings Structures Falsework Scaffolding

State of California  
Department of Industrial Relations  
Division of Occupational Safety & Health

Concord District Office  
Date: \_\_\_/\_\_\_/\_\_\_  
PERMIT No. \_\_\_\_\_

Sections 6500, 6501 and 6502 of the California Labor Code require that certain activities which by their nature involve substantial risk of injury may not be performed without a permit issued by OOSH. The Labor Code requires that the applicant supply, and that the Division review,

information necessary to evaluate the safety of the worksite subject to permit requirements. A permit will not be issued until evidence has been demonstrated that the place of employment will be safe and healthful.

"Applicant" refers to the employer applying for the Permit

Employer: All Environmental Inc.  
Address: 2641 Crow Canyon Rd. Ste 5  
San Ramon 94582  
Phone: (510) 820-3224

Project Safety Contact: Steve DeHope  
Employer's Representative: Steve DeHope  
Title & Phone No: Supervisor (510) 820-3224  
Employer's State Contractor's License No. 654919

### Check Applicable Items:

"Applicant" refers to a knowledgeable person in a position of authority and responsibility for the activity to be covered by this permit.

Applicant is:

- General Building Contractor  
 General Engineering Contractor  
 Specialty Contractor  
Specialty Contractor Type: Haz  
 Other: \_\_\_\_\_

General Contractor Option

Initial this blank if applicant elects to assume responsibility for obtaining a single permit to cover one multi-employer project, e.g., a high-rise construction project. The duties of employers at the site to obey safety and health laws are not changed by this section. A list of employers on site will be attached by the Division to this application and the list will be updated as necessary.

### Type of Permit Sought:

- Annual  
 Single Project  
 Job Start Notification Only  
 Provisional Permit [PLAN CHECK ONLY]

Multiple Project. (If Projects to be covered are similar in all important aspects; work is performed by the same employer; and information concerning each project covered is provided.)

For:

- Construction of:  Building  Structure  
 Demolition of:  Building  Structure  
 Scaffolding and/or Falsework and/or Vertical Shoring  
 Tower Crane Erection  
 Trench and/or Excavation

Underground Services Alert # 326099  
(DIGALERT 1-800-642-2444) Northern CA  
(DIGALERT 1-800-422-4133) Southern CA

Any permit based on this application is issued with the understanding that the applicant has knowledge of occupational safety and health orders applicable to the project(s) described in this application and attachments, and that the applicant and supervising personnel will take special care to insure compliance with safety orders reviewed with the applicant by the Division in the application process.

Issuance of the permit is also conditional upon the following:

- Upon initiation of any new project not described in this application, the holder of an annual permit will provide the Division with a completed Project Description Form describing the new project prior to the start of work, preferably at least one week in advance of start-up date. A phone call may be used to meet the deadline but will not be considered valid notice unless followed in writing by mailing a completed Project Description Form.
- The applicant has implemented a written accident prevention program and Code of Safe Practices which meet the requirements of 8 California Administrative Code, 1509.
- The Division will be notified of significant changes in information provided with this application if such changes might affect the safety of the activity.

4) The applicant understands that under the permit program, DOSH schedules routine inspections by authorized personnel for the purpose of verifying that holders of permits are meeting their obligation to provide a safe work place for their employees. The Division reserves the right to revoke a permit if it is unable to promptly verify compliance with the terms and conditions of the permit and its issuance.

5) The applicant understands that failure to comply with any of the above listed conditions for obtaining a permit could result in denial, suspension or revocation of the permit. Employers may appeal these actions to the Director of the Department of Industrial Relations (California Labor Code, Section 6500 et. seq., and 8 California Administrative Code, Section 341).

Is the applicant conducting any activities to be covered by this permit application in partnership or joint venture with any other persons or corporations conducting activities requiring permits? Yes \_\_\_ No \_\_\_  
If "yes" give details: \_\_\_\_\_

Have any permits for any project to be covered by the permit application previously been applied for or obtained? Yes \_\_\_ No \_\_\_ If "yes," when from what district office \_\_\_\_\_

In whose name \_\_\_\_\_

Permit Application and Job Notification Form (Continued)

**JOB NOTIFICATION**

Specific jobsite location 5965 DOUGHERTY ROAD Field phone (510) 914-9763  
 Office phone (510) 820-3224  
 Nearest major cross street HWY 580 No. of employees 5  
 City DUBLIN Starting date 10-20-93  
 County ALAMEDA Anticipated completion date 10-28-93  
 Name and title of jobsite supervisor STEVE DEHOPE High Voltage Lines in Proximity: No  Yes

**TYPE OF JOB**

INSTRUCTIONS: THE APPROPRIATE ITEM(S) must be completed and signed by a person knowledgeable about the project and/or jobsite to be covered by a permit. Please fill in or check off blanks where appropriate.

Construction of: Building  Structure  Height  Basement  No. Stories   
 Type: Steel Frame  Tiered  Concrete  Tilt-up  Wood Frame  Liftslab  Precast  Slip Form   
 Job Description: \_\_\_\_\_ [See 8CCR1709-30,38; Appendix, A Plate A-2-a&b]

Demolition of: Building  Structure  Height  No. of Stories   
 Steel Frame  Wood Frame  Concrete  Asbestos Involved: Yes  No   
 Method Used: Demolition Ball  Clam  Explosives  Loader/Tractors  Other \_\_\_\_\_ [See 8CCR1734-37]

Scaffolding-Falsework-Vertical Shoring: Maximum Height  Maximum Span  Material   
 Job Description: \_\_\_\_\_  
 (Metal > 125' or Wood > 60' requires design by California Civil Engineer, plans at site.) [See 8CCR1644(c)(7)]  
 Job Description: \_\_\_\_\_

Tower Crane Erection/Dismantling: Make and model \_\_\_\_\_  
 Capacity  Height  Date of Erection  OverHead High Voltage? [Y/N]  
 Foundation and/or Support(s) for Crane Designed/Constructed by \_\_\_\_\_  
 Will crane be stepped or jumped? Yes  No  Estimated Date  [See 8CCR4966]  
 Name of crane certifier \_\_\_\_\_  
 Other \_\_\_\_\_

Trench/Excavation: Dimensions: Depth 10' Width 12' Length 30' Utilities? [Y/N]  
 Soil Analysis will be done Y  N  Slope Excavation 1 1/2 to 1 Y  N   
 Name of Competent Person(s): Steve DeHape  
 Protective System: Shoring  Sloping  Trench Shield  Alternate \_\_\_\_\_  
 Job Description: Underground Storage Tank Removal

[Alternate Plan or excavation greater than 20 feet deep must be designed by Reg. Professional Engineer] [See 8CCR1540-47]

Fee \_\_\_\_\_  
 Paid \_\_\_\_\_  
 Approved \_\_\_\_\_  
 Conference \_\_\_\_\_  
 Other \_\_\_\_\_

I hereby certify that, to the best of my knowledge, the above information and assertions are true and correct and that I/the applicant have knowledge of and will comply with the foregoing.

Signature: Steve DeHape  
 Title: \_\_\_\_\_  
 Date: 10/21/93

**APPLICATION FOR SERVICES**

This application will be processed when all fees are paid. Please print or type all information.

Date: 10/21/93 APN #: - - - Application #: 19  
**APPLICANT:** ALL Environmental **Business Name:** La Mirada Assoc. (Office Use Only)

**Mailing Address:** 18 Sunnyside Ln.  
Orinda 94563  
**Address or Location for Services:** 5965 Dougherty Rd.  
Dublin CA 94568  
**Telephone:** 254-5869  
**Contact Person:** Steve DeHope  
**Telephone:** 820-3224

**PLAN REVIEW (A01-300-0000-3680)** \_\_\_\_\_ **FEE:** \$ \_\_\_\_\_  
\_\_\_\_\_ Plan Review Please list Plan Review types desired: (SEE PLAN REVIEW BROCHURE):  
\_\_\_\_\_

*Plan Reviews, except subdivisions, include one on-site inspection, all projects which require more than one inspection must pay for additional inspections before receiving Fire Authority sign-off.*

**INSPECTION SERVICES (A01-300-0000-3680)** (SEE INSPECTION BROCHURE) **FEE:** \$ \_\_\_\_\_  
\_\_\_\_\_ Inspections caused by other agencies \_\_\_\_\_ Annual notice of inspection\*  
\_\_\_\_\_ Inspections caused by occupant  
\* The annual notice of inspection fee will be deducted from any other fees when additional services are required and occur within 30 days of the self-inspection.

**SPECIAL ACTIVITIES (A01-300-0000-3686)** **FEE:** \$ \_\_\_\_\_  
\_\_\_\_\_ Fire and life safety protection standby  
Personnel \$ \_\_\_\_\_ + Vehicles \$ \_\_\_\_\_ + Materials \$ \_\_\_\_\_

Date(s) of activities: \_\_\_\_\_ Time of activities: \_\_\_\_\_

**PERMIT REQUEST (A01-300-0000-3923)** **FEE:** \$ 45.00  
 Permit Please list permits desired: (SEE PERMIT BROCHURE FOR LISTING)\*\*  
Underground Storage TANK Removal  
\*\* Multiple permits, at the same occupancy, will be charged only for inspection and clerical time for each permit beyond the first permit.

**FIRE IMPACT FEES (A01-300-0000-3710)** **FEE:** \$ \_\_\_\_\_  
\_\_\_\_\_ Residential (# \_\_\_\_\_ Units) \_\_\_\_\_ Commercial (# \_\_\_\_\_ sq. ft.)

**DEPOSITS (A01-205-0000-2205)** **TOTAL FEES:** \$ 45.00  
Purpose \_\_\_\_\_ **TOTAL DEPOSITS:** \$ \_\_\_\_\_

**MAKE CHECKS PAYABLE TO:**  
DOUGHERTY REGIONAL FIRE AUTHORITY  
9399 Fircrest Lane  
San Ramon, CA 94583

Steve DeHope  
SIGNATURE  
DOUGHERTY REGIONAL FIRE AUTHORITY  
OCT 21 1993

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY  
 DEPARTMENT OF ENVIRONMENTAL HEALTH  
 HAZARDOUS MATERIALS DIVISION  
 80 SWAN WAY, ROOM 200  
 OAKLAND, CA 94621  
 PHONE NO. 510/271-4320

*Brach*

*Disinfect 10/18/93*

*Note changes/additions in RED*

ACCEPTED

DEPARTMENT OF ENVIRONMENTAL HEALTH  
 470 - 27th Street, Third Floor  
 Oakland, CA 94612  
 Telephone: (415) 574-7237

These plans have been reviewed and found to be acceptable and essentially meet the requirements of State and local health laws. Changes to the plans initiated by this Department are to assure compliance with State and local laws. The project proposed herein is not intended 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 accepted plans and all applicable laws and regulations.

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE PERMITS.

UNDERGROUND TANK CLOSURE PLAN

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

1. Business Name La Mirada Association  
 Business Owner Mr. R.N. Stefan Mr. Clayton Church
  2. Site Address 5965 Dougherty Rd.  
 City Dublin Zip 94568 Phone 510-829-2200
  3. Mailing Address 18 Sunnyside Ln.  
 City Orinda Zip 94563 Phone 510-254-5869
  4. Land Owner La Mirada Assoc.  
 Address 18 Sunnyside Ln. City, state Orinda, CA Zip 94563
  5. Generator name under which tank will be manifested La Mirada Assoc.
- EPA I.D. No. under which tank will be manifested CAC000874632

6. Contractor All Environmental, Inc.  
Address 2641 Crow Canyon Rd., #5  
City San Ramon Phone 510-820-3224  
License Type A, HAZ ID# 654919

\*Effective January 1, 1992, Business and Professional Code Section 7058.7 requires prime contractors to also hold Hazardous Waste Certification issued by the State Contractors License Board. Indicate that the certificate has been received, in addition, to holding the appropriate contractors license type.

7. Consultant All Environmental, Inc.  
Address 2641 Crow Canyon Rd., #5  
City San Ramon Phone 510-820-3224

8. Contact Person for Investigation  
Name Greg Gouvea Title Proj. Mgr.  
Phone 510-820-3224

9. Number of tanks being closed under this plan 2  
Length of piping being removed under this plan 10'  
Total number of tanks at facility 2

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 EPA I.D. No. CAD000626515  
Hauler License No. 309033 License Exp. Date 10-93  
Address 6401 Leona St.  
City Oakland State CA Zip 94605

b) Product/Residual Sludge/Rinsate Disposal Site

Name Demenno Kerdoon EPA I.D. No. CAT080013352  
Address 2000 N. Alameda  
City Compton State CA Zip \_\_\_\_\_

c) Tank and Piping Transporter

Name Erickson EPA I.D. No. CAD009466392  
Hauler License No. 0019 License Exp. Date 1994  
Address 255 Parr Blvd.  
City Richmond State CA Zip 94801

d) Tank and Piping Disposal Site

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

11. Experienced Sample Collector

Name Greg Gouvea / Steve Deltope  
Company All Environmental, Inc.  
Address 2641 Crow Canyon Rd, #5  
City San Ramon State CA Zip 94583 Phone 510-820-3224

12. Laboratory

Name Priority Environmental Lab  
Address 1764 Houret Ct.  
City Milpitas State CA Zip 95035  
State Certification No. 1708

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

If yes, describe. not yet known  
\_\_\_\_\_  
\_\_\_\_\_

14. Describe methods to be used for rendering tank inert

place 1.5 lbs. or more of dry ice per 100 gallons  
of tank volume, into tank

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)		
2,000 g.	gasoline, installed 1960's - 1970's	soil (groundwater if encountered)	native soil, 1-2 feet beneath tank ends
10,000 g.	diesel, installed 1960's - 1970's	soil (groundwater if encountered)	native soil, 1-2 feet beneath tank ends

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)	Sampling Plan
60 yds. 30 yds.	gasoline tank spoils - 6 samples composited for two one analysis - 1 sample/50 cy. diesel tank spoils - 4 samples composited for one analysis for disposal 1 sample/20 yd for re-use.

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-gas	5030	8015	1 ppm
TPH-diesel	3550	8015	1 ppm
BTEX		8020/602	5ppb / 0.5ppb
total lead		AA	1 ppm

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

18. Submit Worker's Compensation Certificate copy: on file

Name of Insurer State 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) All Environmental, Inc. - Greg Gouvea, Proj. Mgr.

Signature Greg Gouvea

Date 10-12-93

Signature of Site Owner or Operator

Name (please type) La Mirada Assoc. - Mr. Robert N. Stefan

Signature Greg Gouvea, agent for R.N. Stefan

Date 10-12-93



ALAMEDA COUNTY HAZARDOUS MATERIALS DIVISION  
Declaration of Site Account Refund Recipient  
SITE OWNER FILLS OUT PER SITE  
-- OPTIONAL --

The property owner will use this form to designate someone other than him- or her- self to receive any refund due at the completion of all deposit/refund projects at the site listed below. In the absence of this form, the property owner will receive any refund. Only one person at any one time may be designated to receive any refund.

SITE NUMBER/ADDRESS:

PROPERTY OWNER

Site Number

La Mirada Assoc.

Company Name

La Mirada Assoc. - Mr. Robert Stefan

Owner's Name

5965 Dougherty Rd.

Street Address

18 Sunnyside Ln.

Owner's Address

Dublin

City

94568

Zip Code

Orinda

Owner's City

CA

State

94563

Zip

I designate the following person to receive any refund due at the completion of all deposit/refund projects:

All Environmental, Inc. - Mr. Craig Hertz, V.P.

Name

2641 Crow Canyon Rd., #5

Street Address

San Ramon, CA 94583

City / Zip

R N Stefan for La Mirada Assoc.

Property Owner Signature

10-12-93

Date

Mr. Robert Stefan

Property Owner Name

HEALTH AND SAFETY PLAN

PROJECT LOCATION:

5965 Dougherty Rd.  
Dublin, CA 94568

Prepared for:

La Mirada Association  
18 Sunnyside Ln.  
Orinda, Ca. 94563

Prepared by:

*ALL ENVIRONMENTAL*  
2641 Crow Canyon Rd., Suite 5  
San Ramon, Ca. 94583



A working area (exclusion zone) will be established with fencing and or/barricades and caution tape. The working area will include all excavations, equipment, and job site activity. Only authorized, qualified personnel will be allowed in the working area. All personnel arriving or departing the site should log in before entering the working area. All activities on site must be cleared through the Site Manager.

#### D. HAZARD EVALUATION

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found in gasoline and diesel.

##### 1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression
- c. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

##### 2. Toluene

- a. Colorless liquid with a sweet pungent, benzene like odor.
- b. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

##### 3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

##### 4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft grey metal.
- b. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is a known carcinogen.
- c. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb.

Other on site hazards will be those associated with powered heavy equipment, rigging and moving of large, heavy objects, and falling into an excavation. Heavy equipment used for performing the tank removal project may include a backhoe, an excavator, or a crane for lifting the tank out of the excavation. Only 40 hour trained personnel will operate equipment or perform any field duty associated with this project. A hard hat and steel toed boots are mandatory for all personnel associated with equipment operation, or the physical tank removals. The excavation will be properly sloped for stability, safety, and personnel entry if needed. The site will be inspected on a daily basis for safety and potential cave-ins.

Steve DeHope has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines. Personnel shall maintain the maximum distance from equipment and excavations while performing their duties. No one shall enter an excavation pit that is greater than five feet in depth and no one shall climb on the stockpiled material except so as to facilitate the work. Additional hazards may include interference by the public, as the site is located on a street corner.

A FIRST AID KIT AND AT A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE SUPERINTENDENT'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level 'D' protective clothing has been designated as the appropriate protection for this project. An organic vapor meter will be used periodically to monitor the air in the working area if the presence of strong hydrocarbon odors is detected. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceeds 5 ppm above background levels continuously for more than five minutes. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone exceed's 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the excavation exceeds 2,000 ppm or 25% of the lower explosive limit, then the

equipment will be shut down and the site evacuated. Level A or B PPE will not likely be used.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

LEVEL A:

Fully encapsulating suit / SCBA / Hard hat / Steel toe boots / Safety gloves.

LEVEL B:

Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

LEVEL C:

Half face respirator / Hard hat / Safety glasses / Steel toe boots  
Coveralls / Gloves.

LEVEL D:

Coveralls / Hard hat / Safety Glasses / Steel toe boots / Gloves.

If air purifying respirators are authorized, an organic vapor cartridge with filter is appropriate for use with the involved substances and concentrations. A competent individual has determined that all criteria for using this type of respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SITE SAFETY OFFICER.

F. MONITORING INSTRUMENTS

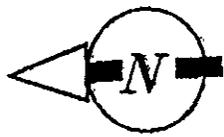
An environmental monitoring instrument shall be used on site at specified intervals. The GasTech instrument will measure organic vapors in the breathing spaces if strong hydrocarbon odors are present, and the Lower Explosive Limit (LEL) and oxygen levels for tank removal and transport.

G. EMERGENCY HOSPITAL

The hospital selected for a medical emergency is:

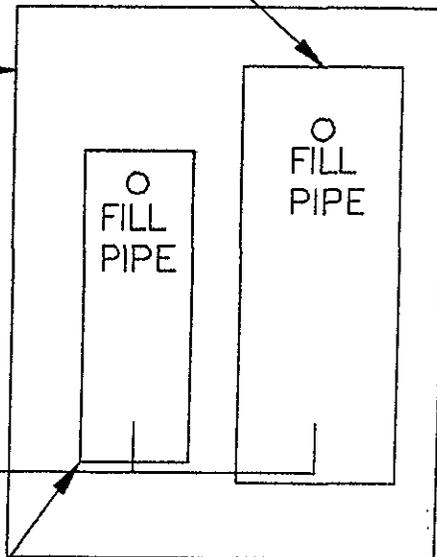
SAN RAMON MED. CENTER, PRE-ADMISSIONS - (510) 275-8282  
6001 Norris Canyon Rd., San Ramon



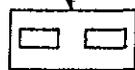


10,000 GALLON DIESEL  
UNDERGROUND STORAGE  
TANK

CONCRETE  
PAD



DISPENSERS



WALL

2,000 GALLON GASOLINE  
UNDERGROUND STORAGE  
TANK

BUILDING

5965 DOUGHERTY RD.  
DUBLIN, CA



PARKING

DOUGHERTY ROAD

ALL ENVIRONMENTAL, INC. 2641 CROW CANYON RD, SAN RAMON		
SCALE: NTS	APPROVED BY:	DRAWN BY: CJA
DATE: 10-12-93		REVISED: CJA
SITE MAP		
5965 DOUGHERTY ROAD	DRAWING NUMBER: FIGURE 1	





PERMIT # 13-0027

INSPECTION RECORD

CITY OF DUBLIN  
BUILDING INSPECTION DEPT.  
DUBLIN, CA 94568  
(510) 833-6620

THIS CARD MUST BE POSTED AT THE FRONT OF  
THE JOB IN PLAIN SIGHT

JOB ADDRESS 5945 Dougherty Rd

OWNER OR CONTRACTOR Cell Environmental Inc

FOUNDATION		
PIERS		
<b>DO NOT POUR CONC. UNTIL ABOVE IS INSPECTED</b>		
RETAINING WALL		
DRAIN ROCK		
DRAIN TILE		
<b>DO NOT BACKFILL UNTIL ABOVE IS INSPECTED</b>		
<b>DO NOT POUR CONC. UNTIL ABOVE IS INSPECTED</b>		
UNDERGROUND ELEC.		
UNDERGROUND PLUMB.		
UNDERFLOOR PLUMB.		
UNDERFLOOR H & V		
UNDERFLOOR ELECTRIC		
UNDERFLOOR FRAMING		
UNDERFLOOR INSUL.		
<b>DO NOT PLACE 1ST FLOOR SHEATHING OR POUR CONC. FLOOR UNTIL ABOVE IS INSPECTED.</b>		
FIREPLACE SM. CHAMBR.		
REINF STEEL		
SHEARWALLS		
ROOF DIAPHR.		
ROOF TEAR OFF		
ROOF IN PROGRESS		
ROUGH PLUMBING		
ROUGH H & V		
ROUGH ELECTRIC		
FRAME		
EXT LATH		
WALL INSULATION		
<b>DO NOT COVER UNTIL ABOVE IS INSPECTED</b>		
DRYWALL		
<b>DO NOT PLASTER OR TAPE UNTIL ABOVE IS INSP.</b>		
CEILING INSUL.		
GAS TEST		
FINAL PLUMBING		
FINAL H & V		
FINAL ELECTRIC		
FINAL BUILDING		

BUILDING MUST NOT BE OCCUPIED  
UNTIL ALL FINAL INSPECTIONS ARE MADE

**APPENDIX B**

**HAZARDOUS WASTE MANIFESTS  
AND TANK DISPOSAL DOCUMENTS**

92739684  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. KAC0000074632	Manifest Document No. 74632	2. Page 1 1 of 1	Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address La Mirada Assoc. 13 Sunnyside Lane, Crinda 94563						
4. Generator's Phone (510) 254-5269		6. US EPA ID Number				
5. Transporter 1 Company Name Waste Oil Recovery Systems		7. US EPA ID Number KRM00001626515				
9. Designated Facility Name and Site Address Dennison 2660 N. Alameda Ave. Emeryton California 94222		10. US EPA ID Number VAT0000153512				
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. 14 Tons of Oil, N.G.S. (Waste Oil) Combustible Liquid N.A. 1270		12. Containers		13. Total Quantity	14. Unit Wt/Vol	
		No.	Type			
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information Wear Rubber Gloves 24 Hr. Emergency # 510-533-0950 ERG # 27 Job site: Alameda Blvd. Supply 5965 Dougherty Rd. Dublin, California						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name STEVE [Signature]		Signature [Signature]			Month Day Year 11 12 71 13	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name Jesus Garcia Jr.		Signature [Signature]			Month Day Year 11 12 71 13	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name		Signature			Month Day Year	
19. Discrepancy Indication Space						
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature			Month Day Year	

DO NOT WRITE BELOW THIS LINE.

92202254  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550  
 GENERATOR  
 TRANSPORTER  
 FACILITY

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA16900187463283158		Manifest Document No. 83158		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address LA MIRADA ASSOC. 18 SUNNYSIDE LANE, ORLANDA 94563													
4. Generator's Phone (510) 254-5869													
5. Transporter 1 Company Name TRIDENT TRUCK LINE, INC.										6. US EPA ID Number CAD932484370			
7. Transporter 2 Company Name										8. US EPA ID Number			
9. Designated Facility Name and Site Address ZRICKSON, INC. 255 PARR BLVD. RICHMOND, CA 94801		10. US EPA ID Number CAD009466392											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers								13. Total Quantity		14. Unit	
a. WASTE EMPTY TANK NON-RCRA HAZARDOUS WASTE SOLID		No. Type								Quantity		Wt/Vol	
b.													
c.													
d.													
15. Special Handling Instructions and Additional Information KEEP AWAY FROM ALL SOURCES OF IGNITION. ALWAYS WEAR HARDHATS AND GLASSES WHEN WORKING AROUND UNDERGROUND STORAGE TANKS. CONTACT NAME: STEVE DEHODE AND PHONE: 510 443-3151 (ext)													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state and international laws.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name STEVE DEHODE		Signature <i>[Signature]</i>				Month Day Year 10 2 9 02							
17. Transporter Acknowledgement of Receipt of Materials													
Printed/Typed Name TOM PICKINGTON		Signature <i>[Signature]</i>				Month Day Year 10 2 8 93							
18. Transporter 2 Acknowledgement of Receipt of Materials													
Printed/Typed Name		Signature				Month Day Year							
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name				Signature				Month Day Year					

DO NOT WRITE BELOW THIS LINE.

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

CERTIFICATE  
CERTIFIED SERVICES COMPANY  
255 Parr Boulevard • Richmond, California 94801

NO. 19287

CUSTOMER  
ALL ENVIRO  
JOB NO. 83158

FOR: Erickson, Inc. TANK NO. 12432

LOCATION: Richmond DATE: 11/02/93 TIME: 08:25:30

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT Desel

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

10000 Gallon Tank TANK SIZE \_\_\_\_\_ CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%  
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%  
"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  
WASTE FACILITY."

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

**STANDARD SAFETY DESIGNATION**

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

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

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

REPRESENTATIVE [Signature] TITLE \_\_\_\_\_ INSPECTOR [Signature]

DAY OR NIGHT  
TELEPHONE  
(510) 235-1393

CERTIFICATE  
CERTIFIED SERVICES COMPANY  
255 Parr Boulevard • Richmond, California 94801

NO. 19288

CUSTOMER  
ALL ENVIRO  
JOB NO. 83158

Erickson, Inc. 12433  
FOR: \_\_\_\_\_ TANK NO. \_\_\_\_\_

Richmond 11/02/93 08:25:30  
LOCATION: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

TEST METHOD Visual Gastech/1314 SMPN LAST PRODUCT UG.

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

2000 Gallon Tank SAFE FOR FIRE  
TANK SIZE \_\_\_\_\_ CONDITION \_\_\_\_\_

REMARKS: OXYGEN 20.9%  
LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN  
CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS  
WASTE FACILITY."

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

STANDARD SAFETY DESIGNATION

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

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

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

REPRESENTATIVE [Signature] TITLE \_\_\_\_\_ INSPECTOR [Signature]

**APPENDIX C**

**ACHCSA INSPECTION FORM**

white -env.health  
 yellow -facility  
 pink -files

# ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

## Hazardous Materials Inspection Form

II, III

Site ID # \_\_\_\_\_ Site Name La Mirada Today's Date 10/28/93

### II.A BUSINESS PLANS (Title 19)

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

Site Address 5965 Dougherty Rd

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

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

### Inspection Categories:

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

### II.B ACUTELY HAZ. MATLS

- \_\_\_ 10. Registration Form Filed 25533(a)
- \_\_\_ 11. Form Complete 25533(b)
- \_\_\_ 12. RMPP Contents 25534(c)
- \_\_\_ 13. Implement Sch. Req'd? (Y/N)
- \_\_\_ 14. OffSite Consed. 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

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

### Comments:

OK - 1st 27% 6% O<sub>2</sub>

Diesel ① 2K-19, 2% strong gasoline odor from pit.

Fill zone ② OK ③ gasoline ④ 2 tanks water water in pit

Installed 1979

OK - Tank wrapped - mostly intact No obvious leaks noted.

2K - Tank wrapped partially dissolved. No rust / holes. Header. Tr. dent Truckline - current sticker #40357

2 40 ml water samples taken (1st was not pumped for recharge) maybe perched - soil samples beneath USIS were dry

① Brown sandy clay - no odor DBED at 12.5'

② sandy clay - no odor DBW ② at 12.5'

③ GBE sandy clay - no odor at 9.5'-10'

④ GBW sandy clay no odor at 9.5'-10'

Analyzing for PH, G, TPH, D and CTEX

Some under dispensers. Remove piping to extent possible or cap ends.

II, III

Contact: All Environmental

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

Signature: W.D. Aye

Inspector: Eva Chng

Signature: [Signature]

**APPENDIX D**

**NON HAZARDOUS WASTE MANIFESTS  
FOR CONTAMINATED SOIL DISPOSAL**

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION      Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE      Address 5965 DOUGHERTY RD.  
ORINDA, CA 94563      DUBLIN, CA 94568  
 Phone No. 510-2545869      Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste  
SOIL CONTAMINATED WITH GASOLINE & DIESEL.

Quantity	Units	No.	Type
<u>18</u>	<u>Y</u>	<u>1</u>	<u>T</u>

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

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

STEVE DEHOPE      [Signature]      111993  
 Generator Authorized Agent Name      Signature      Shipment Date

**TRANSPORTER**

Truck No. M-5      Phone No. (510) 487-5397  
 Transporter Name Dellafosse Trucking      Driver Name (Print) E. B. MILES, SR.  
 Address P.O. Box 1622      Vehicle License No./State 7HADUR - NS04  
Union City, CA 94587      Vehicle Certification \_\_\_\_\_

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

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

[Signature]      111993      [Signature]      111993  
 Driver Signature      Shipment Date      Driver Signature      Delivery Date

**DESTINATION**

Site Name YASCO ROAD LANDFILL      Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD      LIVERMORE, CA 94550

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

\_\_\_\_\_  
 Name of Authorized Agent      Signature      111993      Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY Rd.  
ORINDA, CA 94563 DUBLIN, CA 94568

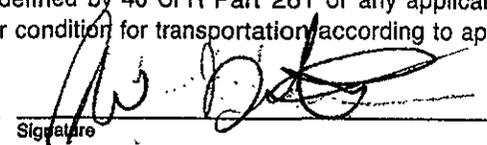
Phone No. 510-2545869 Phone No. 510-8292200

BFI Waste Code CA 405 111793 40803

Description of Waste	Quantity	Units	Containers		Type
			No.	Type	
SOIL CONTAMINATED WITH GASOLINE & DIESEL.	18	Y	01	T	

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

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

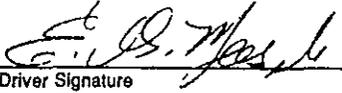
STEVE DEHOPE  111993  
 Generator Authorized Agent Name Signature Shipment Date

**TRANSPORTER**

Truck No. M5 Phone No. 510-487-3397  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) E.G. MEES + SR  
 Address P.O. Box 1022 Vehicle License No./State THANDOR  
Union City CA 94587 Vehicle Certification \_\_\_\_\_

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

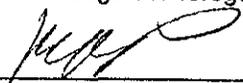
I hereby certify that the above named material was delivered without incident to the destination listed below.

 111993  111993  
 Driver Signature Shipment Date Driver Signature Delivery Date

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

\_\_\_\_\_  
 Name of Authorized Agent Signature  111993  
 Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY RD.  
ORINDA, CA 94563 DUBLIN, CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste  
SOIL CONTAMINATED WITH GASOLINE & DIESEL

Quantity	Units	No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>T</u>

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

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

STEVE DEHOPE Signature [Signature] Shipment Date 111993  
 Generator Authorized Agent Name

**TRANSPORTER**

Truck No. J-24/01 Phone No. 510-487-3397  
 Transporter Name Dellafosse Trucking Inc Driver Name (Print) JERRY REDDING  
 Address P.O. Box 1622 Vehicle License No./State 9C29445-CA  
Union City CA 94587 Vehicle Certification \_\_\_\_\_

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

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

[Signature] Shipment Date 111993 [Signature] Delivery Date 111993  
 Driver Signature

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 111993

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY RD.  
ORINDA, CA 94563 DUBLIN, CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste  
SOIL CONTAMINATED WITH GASOLINE & DIESEL.

Quantity	Units	Containers No.	Type
18	Y	01	T

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

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

STEVE DEHOPE Signature [Signature] Shipment Date 111993  
 Generator Authorized Agent Name

**TRANSPORTER**

Truck No. J-24/01 Phone No. 510-487-3392  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) JERRY KELLY  
 Address P.O. Box 1622 Vehicle License No./State 9C29445-CA  
Union City, CA 94587 Vehicle Certification \_\_\_\_\_

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

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

[Signature] Shipment Date 111993 [Signature] Delivery Date 111993  
 Driver Signature

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 111993

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY Rd.  
ORINDA, CA 94563 DUBLIN, CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste	Quantity		Units	Containers		Type
	No.	Type	No.	Type		
SOIL CONTAMINATED WITH GASOLINE & DIESEL		18	Y	01	T	D - Drum
						C - Carton
						B - Bag
						T - Truck
						P - Pounds
						Y - Yards
						O - Other

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

STEVE DEHOPE [Signature] 111993  
 Generator Authorized Agent Name Signature Shipment Date

**TRANSPORTER**

Truck No. M-5 Phone No. 510-487-3397  
 Transporter Name Della Fassa Trucking Inc Driver Name (Print) E.G. Mees  
 Address P.O. Box 1622 Vehicle License No./State TANOR  
Union City CA 94587 Vehicle Certification \_\_\_\_\_

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

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

[Signature] 111993 [Signature] 111993  
 Driver Signature Shipment Date Driver Signature Delivery Date

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

[Signature] 111993  
 Name of Authorized Agent Signature Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY RD.  
ORINDA, CA 94563 DUBLIN, CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste  
SOIL CONTAMINATED WITH GASOLINE & DIESEL

Quantity	Units	No.	Type
18	Y	01	T

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

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

STEVE DEHOPE Generator Authorized Agent Name  
[Signature] Signature  
111993 Shipment Date

**TRANSPORTER**

Truck No. 5316 Phone No. 510-487-3397  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) JOE CASTILLO  
 Address P.O. Box 1622 Vehicle License No./State 9C42454  
Union City, CA 94587 Vehicle Certification 413422

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

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

[Signature] Driver Signature 111993 Shipment Date  
[Signature] Driver Signature 111993 Delivery Date

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-447-0491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

[Signature] Name of Authorized Agent 111993 Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name LA MIRADA ASSOCIATION Generating Location AGORRA BUILDING SUPPLY  
 Address 18 SUNNYSIDE LANE Address 5965 DOUGHERTY RD.  
ORINDA, CA 94563 DUBLIN, CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code CA 405 111793 40803

Description of Waste  
SOIL CONTAMINATED WITH GASOLINE & DIESEL.

Quantity	Units	No.	Type
<u>18</u>	<u>Y</u>	<u>01</u>	<u>F</u>

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

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

STEVE DEHOPE [Signature] 111993  
 Generator Authorized Agent Name Signature Shipment Date

**TRANSPORTER**

Truck No. J-24/01 Phone No. 510-487-3347  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) TERRY REDDING  
 Address P.O. Box 1622 Vehicle License No./State 9C29445-Calif  
Union City, CA 94587 Vehicle Certification \_\_\_\_\_

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

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

[Signature] 111993 [Signature] 111993  
 Driver Signature Shipment Date Driver Signature Delivery Date

**DESTINATION**

Site Name VASCO ROAD LANDFILL Phone No. 510-4470491  
 Address 4001 N. VASCO ROAD LIVERMORE, CA 94550

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

[Signature] 111993  
 Name of Authorized Agent Signature Receipt Date

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name La Mirada Association Generating Location Agoura Building Supply  
 Address 18 Sunnyside Ln. Address 5965 Dougherty Rd.  
Orinda CA 94563 Dublin CA 94568

Phone No. 510-2545669 Phone No. 510-8292200

BFI Waste Code	Description of Waste	Quantity	Units	Containers		Type
				No.	Type	
<u>EA 405 111793 40503</u>	<u>Soil contaminated w/gas + diesel</u>	<u>15</u>	<u>Y</u>	<u>01</u>	<u>T</u>	<u>T</u>

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

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

STEVE DeHoge Generator Authorized Agent Name  
[Signature] Signature  
111993 Shipment Date

**TRANSPORTER**

Truck No. J-241/01 Phone No. 510-487-3388  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) JERRY KEDDING  
 Address P.O. Box 1622 Vehicle License No./State 9C29445 CA  
Union City CA 94587 Vehicle Certification \_\_\_\_\_

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

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

[Signature] Driver Signature 111993 Shipment Date  
[Signature] Driver Signature 111993 Delivery Date

**DESTINATION**

Site Name Vasco Road Landfill Phone No. 510-4470401  
 Address 4001 N. Vasco Rd. Livermore CA 94550

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

\_\_\_\_\_  
 Name of Authorized Agent Signature [Signature] Receipt Date 111993

PASS CODE \_\_\_\_\_

**NON-HAZARDOUS SPECIAL WASTE MANIFEST**

**GENERATOR**

Generator Name La Mirada Association Generating Location Agorra Building Supply  
 Address 18 Sunnyside Ln. Address 5965 Dougherty Rd  
Orinda CA 94563 Dublin CA 94568  
 Phone No. 510-2545869 Phone No. 510-8292200  
 BFI Waste Code EA 405 1117A B 40803

Description of Waste  
Soil condensed w/ gas + diesel

Quantity	Units	Containers No.	Type
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

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

Generator Authorized Agent Name STEVE DeHoe Signature [Signature] Shipment Date 111788

**TRANSPORTER**

Truck No. M-5 Phone No. 510-487-3397  
 Transporter Name Dellafosse Trucking Inc. Driver Name (Print) E. G. MARS  
 Address P.O. Box 1622 Union City, CA 94587 Vehicle License No./State THA100R  
 Vehicle Certification \_\_\_\_\_

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

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

Driver Signature [Signature] Shipment Date

Driver Signature [Signature] Delivery Date

**DESTINATION**

Site Name Vasco Rd Lendell Phone No. 510-4470461  
 Address 4001 N. Vasco Rd Livermore CA 94550

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

Name of Authorized Agent \_\_\_\_\_ Signature [Signature] Receipt Date 111988

PASS CODE \_\_\_\_\_

**APPENDIX E**

**LABORATORY ANALYSES AND  
CHAIN OF CUSTODY DOCUMENTS**

1764 Houret Court  
 Milpitas, CA 95035  
 (408) 946-9636

PEL # 9310098

INV # 24153

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: 10/28/93 PAGE: 1 OF: 1

PROJECT MOR: STEVEN PENSHORN  
 COMPANY: ALL ENVIRONMENTAL, INC.  
 ADDRESS: 2641 CROW CANYON Rd., Ste. 5  
SAN RAMON, CA 94583  
 PHONE: 510-820-3224 FAX: 510-838-2687  
 SIGNATURE: Steven Penschorn

**ANALYSIS REPORT**

					TPH-Gasoline (EPA 5030,8015)	TPH-Gasoline(5030,8015) w/ BTEX(EPA 602,8020)	TPH-Diesel (EPA 3510/3550,8015)	PURGEABLE AROMATICS BTEX (EPA 602,8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608,6080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1									NUMBER OF CONTAINERS	
GW-1A	10/28/93	12:00	W		X	X	X	X													1
GW-2B	10/28/93	12:05	W		H O L D																1
STKP 1-4E	10/28/93	2:00 <sup>PM</sup>	S		X	X	X	X													4
STKP 5-8W	10/28/93	3:45 <sup>P</sup>	S		X	X	X	X													4
DBE 12'6"	10/28/93	12:15 <sup>P</sup>	S		X	X	X	X													1
DBW 12'6"	10/28/93	12:15 <sup>P</sup>	S		X	X	X	X													1
GBE 9'6"	10/28/93	12:30	S		X	X	X	X													1
GBW 9'6"	10/28/93	12:30	S		X	X	X	X													1

PROJECT NAME: La Mirada Assoc.  
 PROJECT NUMBER: 1043  
 INSTRUCTIONS & COMMENTS:  
Composite of STKP 1-4E for 1 analysis  
Composite of STKP 5-8W for 1 analysis

RELINQUISHED BY: STEVE PENSHORN  
 SIGNATURE: [Signature] Date: 10/29/93  
 NAME: Steve Penschorn Time:  
 COMPANY: ALL ENV.

RECEIVED BY: [Signature] 1  
 SIGNATURE: [Signature] Date: 10/29/93  
 NAME: DAVID DUANE Time: 8:05 AM  
 COMPANY: PEL

RELINQUISHED BY: 2  
 SIGNATURE: \_\_\_\_\_ Date: \_\_\_\_\_  
 NAME: \_\_\_\_\_ Time: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_

RECEIVED BY: 2  
 SIGNATURE: \_\_\_\_\_ Date: \_\_\_\_\_  
 NAME: \_\_\_\_\_ Time: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_

reun



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 01, 1993

PEL # 9310098

ALL ENVIRONMENTAL, INC.

Attn: Steven Penshorn

Re: One water and six soil samples for Gasoline/BTEX and Diesel analyses.

Project name: La Mirada Assoc.

Project number: 1043

Date sampled: Oct 28, 1993

Date submitted: Oct 29, 1993

Date extracted: Oct 29-31, 1993

Date analyzed: Oct 29-31, 1993

## RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)
GW-1A	1700	4.8	11	15	32
Detection limit	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
DBE 12'6"	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
DBW 12'6"	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GBE 9'6"	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GBW 9'6"	1.0	N.D.	N.D.	N.D.	5.1	13
STKP 1-4E*	13	N.D.	8.8	23	41	110
STKP 5-8W*	11	26	7.3	21	34	91
Blank Spiked	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Recovery Duplicate	84.6%	97.8%	81.7%	85.2%	82.7%	93.6%
Spiked Recovery	91.5%	90.7%	90.7%	93.4%	91.8%	98.0%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	3550 / 8015	8020	8020	8020	8020

\*Composited soil samples.

  
 David Duong  
 Laboratory Director

Priority Environmental Labs  
 1764 Houret Court  
 Milpitas, CA 95035  
 (408) 946-9636

PEL # 9311005

INV # 24163

Chain of Custody

1764 Houret Ct. Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

DATE: \_\_\_/\_\_\_/\_\_\_ PAGE: \_\_\_ OF: \_\_\_

PROJECT MOR: STEVEN PENSCHORN				ANALYSIS REPORT													NUMBER OF CONTAINERS							
COMPANY: All Environmental, Inc.				TPH - Gasoline (EPA 5030.8015)	TPH - Gasoline (5030.8015) w/ BTEX (EPA 602.8020)	TPH - Diesel (EPA 3510/3550.8015)	PURGEABLE AROMATICS BTEX (EPA 602.8020)	TOTAL OIL & GREASE (EPA 5520 E&F)	PESTICIDES/PCB (EPA 608.8080)	TOTAL RECOVERABLE HYDROCARBONS EPA 418.1	LEAD (AA)													
ADDRESS: 2641 Crow Canyon Rd, Ste 5 San Ramon, CA 94583																								
PHONE: 510-822-3224 FAX: 510-838-2687																								
SIGNATURE: Steven Penshorn																								
SAMPLE ID	DATE	TIME	MARK	LAB ID																				
DISP 1S 5'	10/29/93	PM	S			X	X																	1
DISP 2N 4'	10/29/93	PM	S			X	X																	1
GW-3C	10/29/93	PM	W			X																		1
STKP 1-4E											X													1
STKP 5-8W											X													4
																								4

PROJECT INFORMATION		SAMPLE RECEIVED		RELINQUISHED BY: 1		RECEIVED BY: 1		RELINQUISHED BY: 2		RECEIVED BY: 2	
PROJECT NAME: La Mirada Assoc.	TOTAL # OF CONTAINERS 3	SIGNATURE: Steven Penshorn	Date: 11/1/93	SIGNATURE: [Signature]	Date: 11/1/93	SIGNATURE:	Date:	SIGNATURE:	Date:	SIGNATURE:	Date:
PROJECT NUMBER: 1043	RECD. GOOD COND./COLD	NAME: Steven Penshorn	Time:	NAME:	Time: 14:17	NAME:	Time:	NAME:	Time:	NAME:	Time:
INSTRUCTIONS & COMMENTS: STKP 1-4E & STKP 5-8W were relinquished to you on 10/29. Please analyze these samples for lead also.		COMPANY: All Environmental, Inc.		COMPANY: PEL		COMPANY:		COMPANY:		COMPANY:	



# PRIORITY ENVIRONMENTAL LABS

Precision Environmental Analytical Laboratory

November 04, 1993

PEL # 9311005

ALL ENVIRONMENTAL, INC.

Attn: Steven Penshorn

Re: One water and two soil samples for Gasoline/BTEX and Diesel analyses.

Project name: La Mirada Assoc.

Project number: 1043

Date sampled: Oct 29, 1993  
Date extracted: Nov 01-02, 1993

Date submitted: Nov 01, 1993  
Date analyzed: Nov 01-02, 1993

## RESULTS:

SAMPLE	Diesel (ug/L)
GW-3C	N.D.
Detection limit	50
Method of analysis	3510/8015

SAMPLE I.D.	Gasoline (mg/Kg)	Diesel (mg/Kg)	Benzene (ug/Kg)	Toluene (ug/Kg)	Ethyl Benzene (ug/Kg)	Total Xylenes (ug/Kg)
DISP 1S 5'	N.D.	290	N.D.	N.D.	N.D.	N.D.
DISP 2N 4'	15	5.9	8.9	14	16	35
Blank	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	93.5%	92.1%	94.2%	91.8%	94.7%	99.3%
Detection limit	1.0	1.0	5.0	5.0	5.0	5.0
Method of Analysis	5030/ 8015	3550 / 8015	8020	8020	8020	8020

  
David Duong  
Laboratory Director

**APPENDIX B**

**HEALTH & SAFETY PLAN**

HEALTH AND SAFETY PLAN

At  
5965 Dougherty Road  
Dublin, CA

Prepared for:

La Mirada Association  
18 Sunnyside Lane  
Orinda, CA

Prepared by:

**ALL ENVIRONMENTAL, INC.**  
2641 Crow Canyon Road, Ste. 5  
San Ramon, CA 94583

A. INTRODUCTION

This Site Specific Health and Safety Plan is written for the soil and groundwater investigation located at the property owned by La Mirada Association. All job site personnel will follow CAL OSHA safe operating practices as outlined in 29 CFR 1910 and 1926, as well as established guidelines set forth by All Environmental, Inc. or their respective companies.

B. WORK DESCRIPTION

Prepared by: Steve Peshorn (Health and Safety Officer)

Site Manager: Steve DeHope or Designated Alternate

Start Date: January 17, 1994

Address: 5965 Dougherty Road  
Dublin, CA

Scope of Work: All Environmental, Inc. (AEI) will perform a soil and groundwater investigation at the property located at the above address.

C. SITE/WASTE CHARACTERISTICS

Hazard Level:            Serious:                            Low: XXX  
                          Moderate: XXX                            Unknown:

Waste Type:            Solid:            Contaminated Soil  
                          Sludge:           None  
                          Liquid:           Possible Ground Water  
                          Gas:                None

Hazard Characteristics: Combustible, Toxic

There will be a 10 feet boundary surrounding the drill rig and the stockpiled material. The area within this boundary is considered an exclusion zone and only qualified personnel will be allowed to enter. All personnel arriving or departing the site should log in before entering the exclusion zone. All activities on site must be cleared through the Site Manager.

D. HAZARD EVALUATION

Potential chemical hazards include skin and eye contact or inhalation exposure to potentially toxic concentrations of hydrocarbon vapors. The potential toxic compounds that may exist

at the site are listed below with descriptions of specific health effects of each. The list includes the primary potential toxic constituents that may be found in gasoline or diesel fuel.

1. Benzene

- a. Colorless to light yellow, flammable liquid with an aromatic odor.
- b. Exposure may irritate eyes, nose and respiratory system and may cause acute restlessness, convulsions, nausea, or depression
- c. Permissible exposure level (PEL) for a time weighted average (TWA) over an eight hour period is 1.0 ppm.

2. Toluene

- a. Colorless liquid with a sweet pungent, benzene like odor.
- b. Exposure may cause fatigue, weakness, confusion, euphoria, dizziness, headaches, dilated pupils, lacrimation, nervousness, insomnia, paresthesia, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

3. Xylene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes nose and throat and may cause dizziness, excitement, drowsiness, incoordination, corneal vacuolization, anorexia, nausea, vomiting, and dermatitis.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

4. Ethylbenzene

- a. Colorless liquid with an aromatic odor.
- b. Exposure may irritate eyes and mucous membrane and may cause headaches, dermatitis, narcosis and loss of consciousness.
- c. Permissible exposure level for a time weighted average over an ten hour period is 100 ppm.

5. Lead

- a. A heavy ductile soft grey metal.
- b. Exposure may cause weakness, nausea, lassitude, diarrhea, insomnia, anorexia, inflamed mucous membranes and abdominal pains. Lead is carcinogenic.
- c. Permissible exposure level for a time weighted average over an eight hour period is .05 ppb.

The Site Manager has been designated to coordinate access control and security on site. All work will strictly follow OSHA guidelines. A safe perimeter has been established at a three feet radius surrounding the site. These boundaries are identified by a fence, yellow caution tape and orange safety cones. Personnel shall

maintain the maximum distance from the drill rig while performing their duties. Additional hazards on site include heavy equipment and overhead lifting equipment. Only 40 hour trained personnel will operate equipment or perform any duty associated with this project. A hard hat and steel toed boots are mandatory for all personnel within the exclusion zone. The site will be inspected on a daily basis for safety.

A FIRST AID KIT AND AT A 40 POUND BC FIRE EXTINGUISHER WILL BE AVAILABLE ON SITE.

EMERGENCY SERVICES ARE AVAILABLE BY DIALING 911 ON THE TELEPHONE LOCATED IN THE PROJECT MANAGER'S VEHICLE. THIS VEHICLE WILL BE ON SITE AT ALL TIMES.

#### E. PERSONAL PROTECTIVE CLOTHING

Based on evaluation of potential hazards, level 'D' protective clothing has been designated as the appropriate protection for this project. The level of protective clothing will be upgraded if the organic vapor levels in the operator's breathing zone exceeds 5 ppm above background levels continuously for more then five minutes. If this occurs then level C protection will be used. If the organic concentration in the operator's breathing zone exceed's 200 ppm for 5 minutes and/or the organic vapor concentration two feet above the bore hole exceeds 2,000 ppm or 25% of the lower explosive limit, then the equipment will be shut down and the site evacuated. If organic vapor concentrations exceed 200 ppm and work continues then level B protection will be required.

"EPA Standard Operating Safety Guidelines" defines the levels of protective clothing as follows:

##### LEVEL A:

Fully encapsulating suit / SCRA / Hard hat / Steel toe boots / Safety gloves.

##### LEVEL B:

Splash resistant suit / SCBA / Hard Hat / Steel toe boots / Safety gloves.

##### LEVEL C:

Half face respirator / Hard hat / Safety glasses / Steel toe boots  
Coveralls / Gloves.

##### LEVEL D:

Coveralls / Hard hat / Safety Glasses / Steel toe boots / Gloves.

If air purifying respirators are authorized, Organic vapor/ w-  
filter is the appropriate canister for use with the involved

substances and concentrations. A competent individual has determined that all criteria for using this type of respiratory protection have been met.

NO CHANGES TO THE SPECIFIED LEVELS OF PROTECTION SHALL BE MADE WITHOUT THE APPROVAL OF THE SITE SAFETY OFFICER.

F. MONITORING INSTRUMENTS

The following environmental monitoring instruments shall be used on site at specified intervals.

Lower Explosive Limit (LEL) Meter that will also check the excavation atmosphere for toxic levels will be used to check if the work area is safe.

G. EMERGENCY HOSPITAL

The closest hospital with an emergency room is:

**EDEN HOSPITAL**

**(510) 537-1234**

DIRECTIONS FROM THE JOB SITE:

EXIT JOBSITE AND GO:

SOUTH ON DOUGHERTY RD. TO 580

580 WEST TO THE STROBRIDGE EXIT

TAKE RIGHT ONTO STROBRIDGE, TRAVEL ONE BLOCK TO CASTRO VALLEY

TURN RIGHT ONTO CASTRO VALLEY

TURN LEFT ONTO LAKE CHABOT RD.; HOSPITAL IS ON LEFT



**APPENDIX C**

**SAMPLING QA/QC PROCEDURE**

## I. QA OBJECTIVES:

We, at Priority Environmental Labs (PEL), commit to a quality assurance program designed to guarantee our analytical results are valid and properly documented.

## II. SAMPLING PROCEDURES:

Sampling should be done according to EPA guidelines. Precautions are taken to avoid sample contamination and to maintain sample integrity. Proper containers and preservation techniques are used if necessary (See Table 1 of this manual). For examples, with water samples requiring volatile organic analysis, 40 ml vials with teflon-lined septa are used. For water samples requiring semi-volatile organic analysis, 1-liter glass bottles with teflon-lined septa are used.

In cases we provide these containers for our clients, we buy only EPA - approved containers. Once they arrive, they are washed in detergent and rinsed first with tap water then with deionized water.

## III. SAMPLE CUSTODY:

The sampler is required to secure his samples upon arrival at the laboratory. Next, samples are inspected by our receiver to assure that proper containers, their conditions, and needed preservatives are used. Our receiver also inspects all necessary information such as sample identification, time of collection, sampling techniques, analysis required, etc. are submitted. If needed, we can provide clients with our chain of custody ( See Table 2 of this manual ). A PEL file number is assigned to each batch of samples to identify it.

Finally, samples are ready to be stored in refrigerators which are daily monitored to make sure their temperatures are less than 4 degrees centigrade ( See Table 3,4, and 5 of this manual ).

## IV. CALIBRATION PROCEDURES AND FREQUENCY:

For routine analyses, a five - point calibration curve is used. Then, a mid - point standard is run every day. If the response factor of this mid - point standard is less than 20% of the calibration curve, the average response factor from the calibration will be used for calculation. Otherwise, a new calibration curve will be established after needed correction measures are performed.

For non - routine analyses, a three - point calibration curve will be established and its average response factor is used for calculation. ( See Table 6 for a list of suppliers of standards and reagents that we used ).

#### V. ANALYTICAL PROCEDURES:

Analyses are performed according to methods in Test Methods for Evaluating Solid Waste, SW-846, Third Edition, LUFT, Methods for Organic Chemical Analysis of Municipal and Industrial Waste Water, EPA - 600 / 4-82-057, and other methods approved by either EPA or DHS.

In general, before analyzing samples, we run a reagent water blank to make sure that our instrument, glassware, and reagents are free of contamination.

For each batch of samples, we analyze a sample blank by running a reagent water blank or a clean sample of similar matrix to that of real sample through all steps of preparation and measurement.

Next, a mid - point standard is run to check the validity of our existing calibration curve. Now, we are ready to analyze samples. A duplicate sample and a spiked sample are to be run for anybatch of samples or for every ten samples to check the precision of the result and the percentage of recovery of compounds spiked.

#### VI. DATA REDUCTION, VALIDATION, AND REPORTING:

Analyst who is responsible for the analysis will perform data reduction and validation by strictly following guideline set by appropriate approved methods.

Later, his data interpretation and calculation will be checked by a supervisor for validity before a typed report is issued. Both the analyst and his supervisor will proofread the report for any error before sending it to the client.

A copy of the report along with a copy of chain of custody, chromatograms if any, calculation sheets, and other information related to the analysis will be kept on file.

VII. INTERNAL QUALITY CONTROL CHECKS:

For every batch of sample, a quality control check sample will be run. This check sample will have all analytes needed to be determined in real samples. If any problem occurs, the correspond supervisor will dertermine the appropriate corrective action.

VIII. PERFORMANCE AND SYSTEM AUDITS:

Several times a month, the supervisor will test the measurement systems with samples of known compositions or behavior to evaluate precision and accuracy without the knowledge of the analyst to determine whether the measurement systems are being used appropriately.

IX. PREVENTIVE MAINTENANCE:

All instruments in the laboratory are regularly checked and maintained following manufacturer's suggestions. Any replacement, modification is timely recorded in an instrument record logbook.

X. PROCEDURES FOR DATA PRECISION AND ACCURACY:

We follow the quality assurance criteria set by California Department of Health Services ( See Table 7 of this manual ).

XI. CORRECTIVE ACTION:

Whenever a problem occurs, we will apply the following procedires:

- Identifying and defining the problem.
- Assigning responsibility for investigating the problem.
- Investigating the cause of the problem.
- Determining a corrective action to eliminate the problem which may be a combination of :
  - \* A thourough check of instruments.
  - \* A thourough check of standards, reagents, deionized water.
- Accepting responsibility for the corrective action.
- Evaluating its effectiveness.
- Verifying that the corrective action has eliminate the problem.

XII. QUALITY ASSURANCE REPORT:

Our quality assurance program are maintained periodically. Q/C data are recorded in different logbooks for different methods of analyses. These logbooks are weekly reviewed by our laboratory director.

The final report sent to our clients also includes all quality control data obtained while running samples.