



GETTLER-RYAN INC.

2531
COPY

TRANSMITTAL

TO: Mr. Eric Jorgenson
GSE Construction
1020 Shannon Court
Livermore, CA 94550

DATE: May 14, 2002
PROJ. #: 11121.05
SUBJECT: UST Removal Report
Alameda N. A. S.
1001 Redline Avenue
Alameda, CA

FROM:
Douglas J. Lee
Project Manager
R.G. No.6882
Gettler-Ryan Inc.
6747 Sierra Court Suite J
Dublin, California

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	May 14, 2002	Compliance Sampling During UST Removal.

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- For approval Return for corrections Return _ corrected prints
- For Your Files

COMMENTS:

Enclosed is a copy of the referenced Report. If you have any questions, please call me at (925) 551-7555.

Cc: Ms. Pam Hopkins, EBMUD, 2020 Wake Avenue, Mail Slot 59, Oakland , CA 94607
Mr. Robert Weston, Alameda County Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577



GETTLER-RYAN INC.

May 14, 2002

Mr. Eric Jorgenson
GSE Construction Company Inc.
1020 Shannon Court
Livermore, CA 94550

**Subject: Compliance Sampling During UST Removal at Alameda Naval Air Station,
1001 West Red Line Avenue, Navy Building No. 562, Alameda California.**

Mr. Jorgenson:

At the request of GSE Construction Inc. (GSE), Gettler-Ryan Inc. (GR) conducted subsurface investigation during removal of one 1,000 gallon diesel underground storage tank (UST) at the subject site (Figure 1). The purpose of this investigation was to evaluate soil conditions beneath the UST and evaluate the potential for petroleum hydrocarbon impact to groundwater in the vicinity. The scope of work included: observing removal of the diesel UST, collecting soil and groundwater samples from the UST pit and soil stockpile for chemical analysis, and preparing a report documenting the work.

SITE DESCRIPTION

The subject site is located at the former Alameda Naval Air Station at 1001 West Red Line Avenue in Alameda California (Figure 1). The diesel UST was located east of Navy building No. 562, which is the building that houses Wastewater Pump Station No. 1. Pertinent site features and the location of the former diesel UST are shown on Figure 2.

FIELD WORK

Excavation and sampling work associated with the UST removal was conducted by GR. Soil and groundwater sampling was performed in accordance with the GR Field Methods and Procedures (attached), and the GR Site Safety Plan. Soil and groundwater samples collected during this investigation were delivered under chain-of-custody to Sequoia Analytical in Walnut Creek, California (ELAP #1271). Analytical methods and results are summarized in Table 1. Copies of the laboratory analytical reports and chain-of-custody records are attached. Mr. Robert Weston of the Alameda County Department of Environmental Health (ACDEH) was present at the site to observe the UST removal and subsequent soil and groundwater sampling. Captain Kenneth S. Rankin of the City of Alameda Fire Prevention Bureau was also present during UST removal activities.

Diesel UST Removal

On March 13, 2002, one 1,000-gallon fiberglass diesel UST was removed by GR. The UST had been placed on top of a concrete slab at the bottom of the pit. Upon removal, the UST was visually inspected by GR personnel for evidence of failure. No holes or cracks were observed in the UST. The UST was transported from the site for disposal by Ecology Control Industries (ECI) and taken to their facility in Richmond, California. A copy of the tank disposal manifest is attached with this report.

The diesel UST excavation limits are shown on Figure 2. Native soil in the vicinity of the UST consisted primarily of silty sand. Approximately 17 cubic yards of soil were removed during removal of the UST. Soil from the excavation was stockpiled adjacent to the UST pit (Figure 2). Groundwater was encountered in the UST excavation at a depth of approximately 6 feet below ground surface (bgs), thus prohibiting the collection of a soil sample from beneath the UST. Per the direction of Mr. Weston of the ACDEH, a grab groundwater sample, labeled TP-Water, was collected from the UST pit by the use of a disposable bailer. In addition, one four part composite soil sample, labeled Comp-soil, was collected from the stockpiled soil. Approximate sample locations are shown on the attached Figure 2.

Laboratory Analyses

Soil and groundwater samples were submitted to Sequoia Analytical in Walnut Creek, California for analysis of Total Petroleum Hydrocarbons as diesel (TPHd) by Environmental Protection Agency (EPA) Method 8015 modified, and benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MTBE) by the Department of Health Services (DHS) LUFT Method.

Analytical Results

The soil samples from the stockpile did not contain detectable concentrations of TPHd, BTEX or MtBE. The groundwater sample collected from the UST pit showed non-detectable concentrations of all constituents analyzed, except for TPHd (reported by the laboratory as more closely resembling that of a heavier hydrocarbon mix) detected at 2,400 parts per billion (ppb). Soil and groundwater analytical results are summarized in Table 1.

Backfill of UST Pit

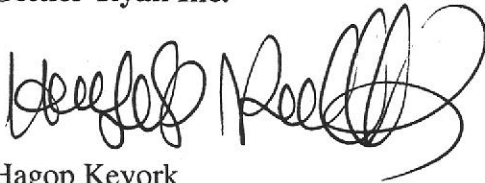
Based upon field observation and analytical results, and per the approval of Mr. Weston of ACDEH, stockpiled soil, represented by sample Comp-Soil, was used as backfill in the UST excavation.

Distribution

GR recommends that a copy of this report be sent to Mr. Robert Weston, Alameda County Department of Environmental Health, 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

If you should have any questions please feel free to call GR at (925) 551-7555.

Sincerely,
Gettler-Ryan Inc.



Hagop Kevork
Civil Engineer
P.E. No. C55734



Douglas J. Lee
Project Manager
R.G. No. 6882



- Attachments: Table 1 - Soil and Groundwater Chemical Analytical Data
Figure 1 - Vicinity Map
Figure 2. – Diesel UST Pit and Sample Location Map
GR Field Methods and Procedures
Tank Disposal Manifest
Laboratory Analytical Reports and Chain-of-Custody Records

Table 1- Soil and Groundwater Chemical Analytical Data
 Alameda Naval Air Station
 1001 West Red line Avenue
 Alameda, California

Sample ID	Sample Depth (Feet)	Date Collected	TPHd (ppb)	Benzene (ppb)	Toluene (ppb)	Ethyl-benzene (ppb)	Total Xylenes (ppb)	MtBE (ppb)
<u>Groundwater Sample</u>								
TP-Water	6	3/13/02	2,400 ¹	<0.50	<0.50	<0.50	<0.50	<2.5
<u>Stockpile Sample</u>								
Comp - Soil	NA	3/13/02	<5.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.050

EXPLANATION:

TPHd = Total Petroleum Hydrocarbons as diesel
 MtBE = Methyl tertiary-Butyl Ether
 BTEX = benzene, toluene, ethylbenzene, xylenes
 ppb = Parts per billion
 NA = not applicable

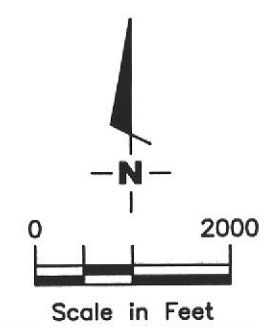
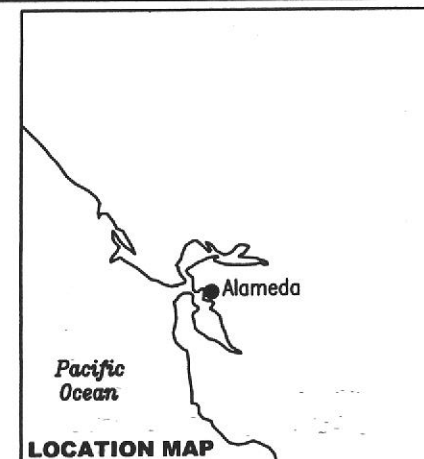
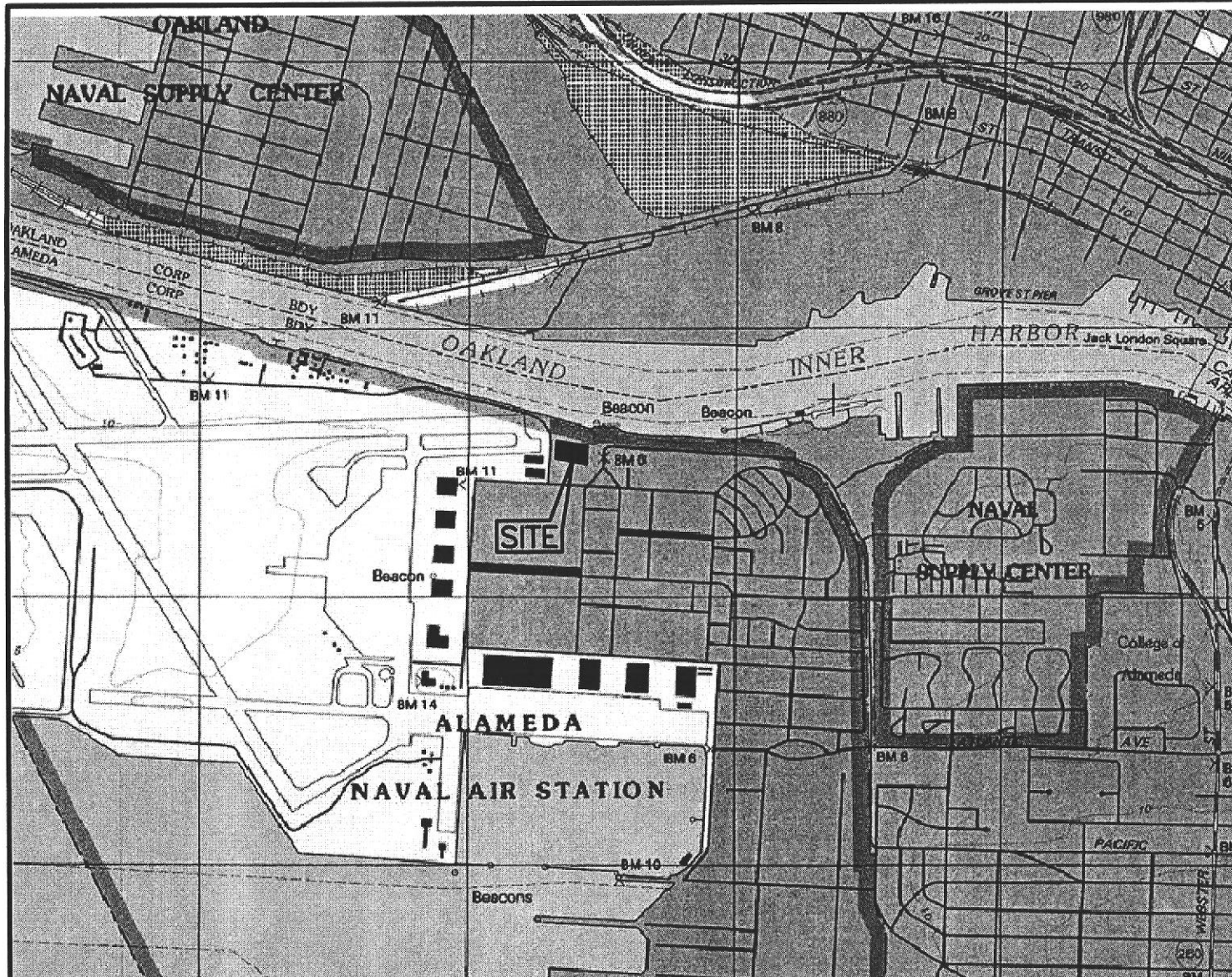
ANALYTICAL METHODS:

TPHd, BTEX and MtBE by DHS LUFT

ANALYTICAL LABORATORY:

Sequoia Analytical Walnut Creek (ELAP #1271)

¹ = A hydrocarbon pattern is present in the requested fuel quantitation range but it does not resemble the pattern of the requested fuel.
 The pattern more closely resembles that of a heavier hydrocarbon mix.



Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM.

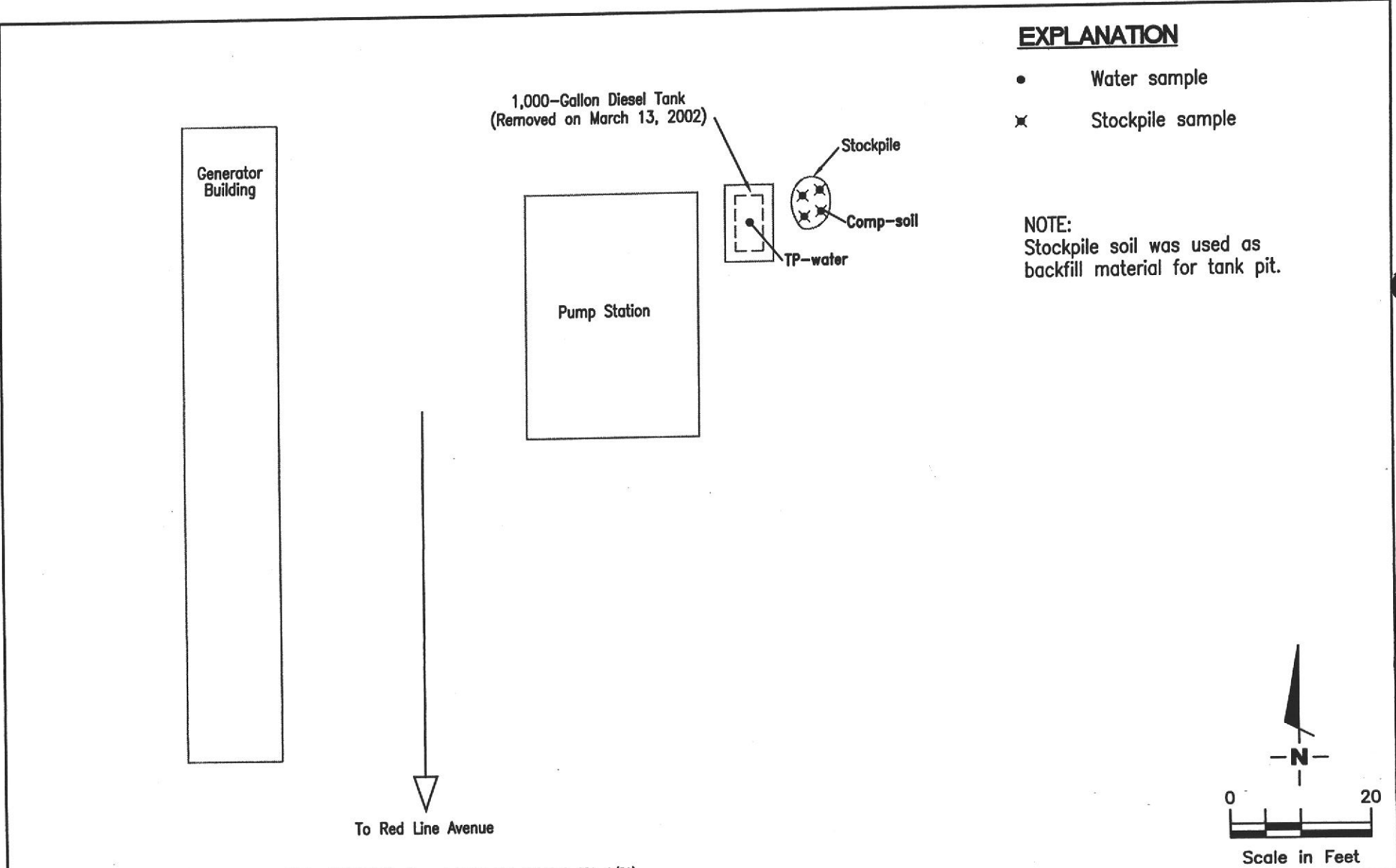
GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

VICINITY MAP
 Alameda Naval Air Station
 1001 West Red Line Avenue
 Alameda, California

FIGURE
1

PROJECT NUMBER 11121	REVIEWED BY	DATE 4/02	REVISED DATE
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FILE NAME: P:\ENVIRO\ALAMADA\NAVAL-AIR\VIC-1001.DWG | Layout Tab: Vic Map



Source: Figure modified from drawing provided by USGS and EBMUD (Grading and Paving Plan SD247-C-001, 1/01).

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 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

DIESEL UST PIT AND SAMPLE LOCATION MAP
 Alameda Naval Air Station
 1001 West Red Line Avenue
 Alameda, California

FIGURE
2

PROJECT NUMBER 11121.05 REVIEWED BY DATE 4/02 REVISED DATE

GR FIELD METHODS AND PROCEDURES

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Samples

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. If safety considerations preclude collection of the samples with the drive sampler, the excavating equipment is used to bring soil from the pit wall to the surface, where a sample tube is filled by driving it into the soil in the excavator's bucket. After removal from the sampling device, sample tubes are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

If it is necessary to collect a sample of groundwater standing in the UST pit, the sample is collected by lowering a new, clean teflon bailer into the pit from a safe position along the pit wall. Once filled and retrieved, the groundwater in the bailer is carefully decanted into the appropriate containers supplied by the analytical laboratory. If required, preservative is added to the sample bottles by the laboratory prior to delivery. The samples are then labeled and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the State-certified analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize. The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors with the covered tube measured. Head-space screening is performed and results recorded as reconnaissance data only. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis. Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the State-certified analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. CACD00233483386084		Manifest Document No. 84		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CITY OF ALAMEDA 950 WEST MALL SQUARE SUITE 100 ALAMEDA CA 94501				A. State Manifest Document Number 21086084									
4. Generator's Phone (510) 749-5842				B. State Generator's ID									
5. Transporter 1 Company Name ECOLOGY CONTROL INDUSTRIES		4. US EPA ID Number CAD982030173		C. State Transporter's ID [Reserved]									
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone 510-235-1393		E. State Transporter's ID [Reserved]							
9. Designated Facility Name and Site Address ECOLOGY CONTROL INDUSTRIES 266 PARR BLVD RICHMOND CA 94801		10. US EPA ID Number CAD009466392		G. State Facility's ID CAD009466392		H. Facility's Phone (510) 235-1393							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON RCRA HAZARDOUS WASTE SOLID WASTE EMPTY STORAGE TANK				12. Containers		13. Total Quantity		14. Unit		1. Waste Number			
				No.		Type		Quantity		Wt/Vol		State	
						001 TP		00400		P		512	
												EPA/Other NONE	
												State	
Additional Descriptions for Materials Listed Above QTY 1 EMPTY STORAGE TANK # 29672 TANKS HAVE BEEN INERTED WITH 15 LBS DRY ICE PER 1000 GALLONS CAPACITY				K. Handling Codes for Wastes Listed Above									
				a. 99		b.							
				c.		d.							
15. Special Handling Instructions and Additional Information WEAR PROPER PROTECTIVE EQUIPMENT WHILE HANDLING. WEIGHTS OR VOLUMES ARE APPROXIMATE. 24 HOUR EMERGENCY CONTACT: CHERI SHEETS JIM JACKSON 24 HOUR EMERGENCY TELEPHONE NUMBER: 510 385-6173 510-749-5842 DOT ERG # 171													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.													
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name Pam Hopkins			Signature <i>Pam Hopkins</i>			Month 03		Day 13		Year 02			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name ERRO / WALKER			Signature <i>Erro Walker</i>			Month 03		Day 13		Year 02			
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 James Wilcox			Signature <i>James Wilcox</i>			Month 03		Day 14		Year 02			

GENERATOR

TRANSPORTER

FACILITY

DO NOT WRITE BELOW THIS LINE.

IGHT
ONE
235-1393

CERTIFICATE CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 37344

CUSTOMER
JOB NO. 5242872
GETTLER & RYAN

FOR: ECOLOGY CONTROL IND. TANK NO. 29642

LOCATION: RICHMOND, CA DATE: 3/14/2002 TIME: 4:11:49

EST METHOD VISUAL GASTECH/1314 SMPN LAST PRODUCT DIESEL

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.

TANK SIZE 1000 GALLON CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9% LOWER EXPLOSIVE LIMIT LESS THAN 0.1% ECOLOGY CONTROL INDUSTRIES
HERBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN CUT OPEN, PROCESSED,
AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS WASTE FACILITY.
ECOLOGY CONTROL INDUSTRIES HAS THE APROPRIATE PERMITS FOR, AND HAS ACCEPTED
THE TANK SHIPPED TO US FOR PROCESSING.

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 than permitted under existing atmospheric conditions in the presence of fire and while maintained as directed on the Inspector's certificate, and further, (c) All adjacent spaces have either been cleaned sufficiently to prevent the spread of fire, are satisfactorily inerted, or in the case of fuel tanks, have been treated as deemed necessary by the Inspector.

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

Mary Tabbert
REPRESENTATIVE

TITLE

James Wilcox
INSPECTOR



Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

28 March, 2002

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Other
Sequoia Report: W203225

Enclosed are the results of analyses for samples received by the laboratory on 13-Mar-02 17:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA. 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Comp - soil	W203225-01	Soil	13-Mar-02 00:00	13-Mar-02 17:10

Sequoia Analytical - Walnut Creek

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Charlie Westwater, Project Manager





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

**Diesel Hydrocarbons (C10-C23) by DHS LUFT
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - soil (W203225-01) Soil Sampled: 13-Mar-02 00:00 Received: 13-Mar-02 17:10									
Diesel Range Hydrocarbons (C10-C28)	ND	5.0	mg/kg	1	2C25015	25-Mar-02	25-Mar-02	DHS LUFT	
Surrogate: n-Octacosane		58 %	50-150		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

BTEX by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Comp - soil (W203225-01) Soil Sampled: 13-Mar-02 00:00 Received: 13-Mar-02 17:10									
Benzene	ND	0.0050	mg/kg	20	2C18003	18-Mar-02	18-Mar-02	DHS LUFT	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		118 %	40-140		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

**Diesel Hydrocarbons (C10-C23) by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2C25015 - EPA 3510B										
Blank (2C25015-BLK1)										
Prepared & Analyzed: 25-Mar-02										
Diesel Range Hydrocarbons (C10-C28)	ND	5.0	mg/kg							
Surrogate: <i>n</i> -Octacosane	2.99		"	3.33		90	50-150			
LCS (2C25015-BS1)										
Prepared & Analyzed: 25-Mar-02										
Diesel Range Hydrocarbons (C10-C28)	12.8	5.0	mg/kg	15.0		85	60-140			
Surrogate: <i>n</i> -Octacosane	3.16		"	3.33		95	50-150			
LCS Dup (2C25015-BSD1)										
Prepared & Analyzed: 25-Mar-02										
Diesel Range Hydrocarbons (C10-C28)	12.6	5.0	mg/kg	15.0		84	60-140	2	40	
Surrogate: <i>n</i> -Octacosane	3.00		"	3.33		90	50-150			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

**BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2C18003 - EPA 5030B MeOH

Blank (2C18003-BLK1)

Prepared & Analyzed: 18-Mar-02

Benzene	ND	0.0050	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether (MTBE)	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	0.646		"	0.600		108	40-140			

LCS (2C18003-BS1)

Prepared & Analyzed: 18-Mar-02

Benzene	0.566	0.0050	mg/kg	0.800		71	50-150			
Toluene	0.708	0.0050	"	0.800		88	50-150			
Ethylbenzene	0.772	0.0050	"	0.800		96	50-150			
Xylenes (total)	2.20	0.0050	"	2.40		92	50-150			
Surrogate: a,a,a-Trifluorotoluene	0.636		"	0.600		106	40-140			

Matrix Spike (2C18003-MS1)

Source: W203225-01

Prepared: 18-Mar-02 Analyzed: 19-Mar-02

Benzene	0.558	0.0050	mg/kg	0.800	ND	70	50-150			
Toluene	0.684	0.0050	"	0.800	ND	86	50-150			
Ethylbenzene	0.694	0.0050	"	0.800	ND	87	50-150			
Xylenes (total)	2.19	0.0050	"	2.40	ND	91	50-150			
Surrogate: a,a,a-Trifluorotoluene	0.592		"	0.600		99	40-140			

Matrix Spike Dup (2C18003-MSD1)

Source: W203225-01

Prepared & Analyzed: 18-Mar-02

Benzene	0.574	0.0050	mg/kg	0.800	ND	72	50-150	3	20	
Toluene	0.652	0.0050	"	0.800	ND	82	50-150	5	20	
Ethylbenzene	0.702	0.0050	"	0.800	ND	88	50-150	1	20	
Xylenes (total)	2.02	0.0050	"	2.40	ND	84	50-150	8	20	
Surrogate: a,a,a-Trifluorotoluene	0.632		"	0.600		105	40-140			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA. 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
28-Mar-02 07:27

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference





Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

26 March, 2002

Doug Lee
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Other
Sequoia Report: W203226

Enclosed are the results of analyses for samples received by the laboratory on 13-Mar-02 17:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP-water	W203226-01	Water	13-Mar-02 00:00	13-Mar-02 17:10





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

Diesel Hydrocarbons (C10-C23) by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-water (W203226-01) Water Sampled: 13-Mar-02 00:00 Received: 13-Mar-02 17:10									
Diesel Range Hydrocarbons (C10-C28)	2400	83	ug/l	1	2C18004	18-Mar-02	18-Mar-02	EPA 8015M	HC-14
Surrogate: n-Octacosane		141 %	50-150		"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

BTEX by DHS LUFT
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TP-water (W203226-01) Water Sampled: 13-Mar-02 00:00 Received: 13-Mar-02 17:10									
Benzene	ND	0.50	ug/l	1	2C18001	18-Mar-02	18-Mar-02	DHS LUFT	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		126 %		70-130	"	"	"	"	





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

**Diesel Hydrocarbons (C10-C23) by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2C18004 - EPA 3510B										
Blank (2C18004-BLK1)										
Prepared & Analyzed: 18-Mar-02.										
Diesel Range Hydrocarbons (C10-C28)	ND	50	ug/l							
Surrogate: n-Octacosane	85.0		"	100		85	50-150			
LCS (2C18004-BS1)										
Prepared & Analyzed: 18-Mar-02										
Diesel Range Hydrocarbons (C10-C28)	468	50	ug/l	500		94	60-140			
Surrogate: n-Octacosane	84.9		"	100		85	50-150			
LCS Dup (2C18004-BSD1)										
Prepared & Analyzed: 18-Mar-02										
Diesel Range Hydrocarbons (C10-C28)	468	50	ug/l	500		94	60-140	0	50	
Surrogate: n-Octacosane	78.3		"	100		78	50-150			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
Project Number: 1001 West Red Line Ave., Alameda
Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

**BTEX by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2C18001 - EPA 5030B P/T										
Blank (2C18001-BLK1) Prepared & Analyzed: 18-Mar-02										
Benzene	ND	0.50	ug/l							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.5		"	30.0		105	70-130			
LCS (2C18001-BS1) Prepared & Analyzed: 18-Mar-02										
Benzene	21.2	0.50	ug/l	20.0		106	70-130			
Toluene	21.3	0.50	"	20.0		106	70-130			
Ethylbenzene	18.6	0.50	"	20.0		93	70-130			
Xylenes (total)	58.9	0.50	"	60.0		98	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	32.7		"	30.0		109	70-130			
Matrix Spike (2C18001-MS1) Source: W203226-01 Prepared & Analyzed: 19-Mar-02										
Benzene	21.3	0.50	ug/l	20.0	ND	106	70-130			
Toluene	21.2	0.50	"	20.0	ND	106	70-130			
Ethylbenzene	18.7	0.50	"	20.0	ND	94	70-130			
Xylenes (total)	58.6	0.50	"	60.0	ND	98	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	33.7		"	30.0		112	70-130			
Matrix Spike Dup (2C18001-MSD1) Source: W203226-01 Prepared & Analyzed: 19-Mar-02										
Benzene	23.7	0.50	ug/l	20.0	ND	118	70-130	11	20	
Toluene	23.4	0.50	"	20.0	ND	117	70-130	10	20	
Ethylbenzene	20.7	0.50	"	20.0	ND	104	70-130	10	20	
Xylenes (total)	65.3	0.50	"	60.0	ND	109	70-130	11	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	35.1		"	30.0		117	70-130			





Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Other
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Project Manager: Doug Lee

Reported:
26-Mar-02 20:10

Notes and Definitions

- HC-14 A hydrocarbon pattern is present in the requested fuel quantitation range but it does not resemble the pattern of the requested fuel. The pattern more closely resembles that of a heavier hydrocarbon mix.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference





SEQUOIA ANALYTICAL CHAIN OF CUSTODY

665 Jarvis Drive • Morgan Hill, CA 95051 • (408) 770-9000 • FAX (408) 762-0000
 1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 • FAX (707) 792-0342
 819 Striker Ave., Suite 8 • Sacramento, CA 95834 • (916) 921-9600 • FAX (916) 921-0100
 1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 • FAX (650) 232-9612
 404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 • FAX (925) 988-9673

Company Name: <u>Gettler - Ryan Inc</u> <u>1112105</u>		Project: <u>1001 West Red line Ave</u>	
Mailing Address: <u>6747 Sierra Ct. Suite 5</u>		Billing Address (if different): <u>GETTLER-RYAN INC,</u>	
City: <u>Dublin</u>	State: <u>CA</u>	Zip Code: <u>94518</u>	
Telephone: <u>925-551-7555</u>	Fax #: <u>925-551-7888</u>	P.O. #: <u>Alameda, CA 94501</u>	
Report To: <u>Doug Lee</u>	E-Mail:	QC Data: <input checked="" type="checkbox"/> Level II (Standard) <input type="checkbox"/> Level III <input type="checkbox"/> Level IV	
Sampler: <u>Andrew S/Hung K</u>		Date / Time Results Required: <u>3/17/02</u>	Sequoia's Work Order # <u>W203226</u>

Turnaround 10 - 15 Working Days 72 Hours
 Time: (Standard TAT) 48 Hours
 7 Working Days 24 Hours
 5 Working Days 2-8 Hours

MANDATORY:
 SDWA (Drinking Water)
 CWA (Waste Water)
 RCRA (Hazardous Waste)
 Other

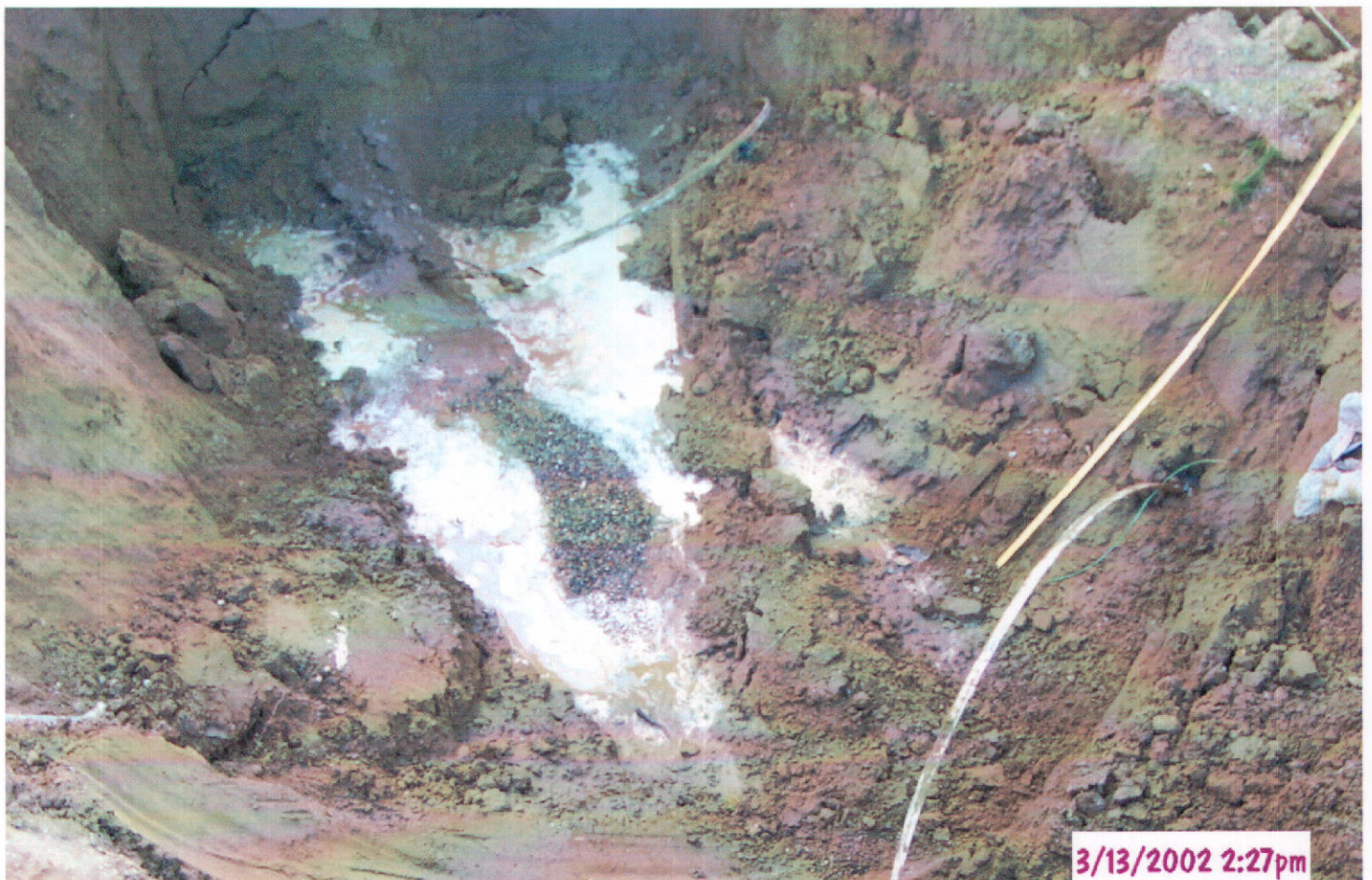
ANALYSES REQUESTED (Please provide method)

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Container Type	Sequoia's Sample #	ANALYSES REQUESTED (Please provide method)										Comments/Temp. (If required)		
						TPH-Diesel	BTEX	M+BE										
1. TP-water	3/13/02	H ₂ O	4	1 Amb. 3 Vials	01A-D	X	X	X										
2.																		
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Relinquished By: <u>[Signature]</u>	Received By: <u>Michael Gorin</u>	Date / Time: <u>3/13/02 1710</u>
Relinquished By:	Received By:	Date / Time:
Relinquished By:	Received By:	Date / Time:
Relinquished By:	Received By:	Date / Time:

Pink - Client
 Yellow - Sequoia
 White - Sequoia





UNDERGROUND STORAGE TANK CLOSURE/REMOVAL FIELD INSPECTION REPORT

Facility Name: <u>Bmw / City of Ann Arbor</u>	STID: _____	Date: <u>3-13-02</u>
Facility Address: <u>1001 W. REDUNE ROAD AREA</u>	Contact on site: <u>JIM REGG</u>	
Inspector: <u>ROBERT WESTON</u>	Contractor/Consultant: <u>GETTICK P/M</u>	

General Requirements	Yes	No	N/A
Approved closure plan on site.			
Changes to approved plan noted.			
Residuals properly stored/transported.			
Receipt for adequate dry ice noted.			

General Requirements	Yes	No	N/A
Site Safety Plan properly signed.			✓
40B:C fire extinguisher on site.	✓		
"No Smoking" signs posted.	✓		
Gas detector challenged by inspector.			✓

Tank Observations	T #1	T #2	T #3	T #4
Tank Capacity (gallons)	<u>1000</u>			
Material last stored	<u>DIESEL</u>			
Dry ice used (pounds)	<u>50</u>			
Combustible gas concentration as %LEL. (Note time & sampling point)				
(1) <u>3/13 2:25 PM</u>	<u>3</u>			
(2)				
(3)				
Oxygen concentration as % volume. (Note time & sampling point.)				
(1) <u>3/13 2:25 PM</u>	<u>0</u>			
(2)				
(3)				
Tank Material	<u>FIW</u>			
Wrapping/Coating, if any	<u>NA</u>			
Obvious holes?	<u>NONE</u>			

Tank Observations	T #1	T #2	T #3	T #4
Obvious corrosion?	<u>NO</u>			
Obvious odors from tank?	<u>NO</u>			
Seams intact?	<u>YES</u>			
Tank bed backfill material	<u>GRAVEL</u>			
Obvious discoloration?	<u>NO</u>			
Obvious odors ex tank bed?	<u>NO</u>			
Water in excavation?	<u>YES</u>			
Sheen/product on water?	<u>NO</u>			
Tank tagged by transporter?				
Tank wrapped for transport?				
Tank plugged w/ vent cap?	<u>YES</u>			
Date/time tank hauled off?	<u>3/13/02</u>			
No. of soil samples taken?				
Depth of soil samples (ft. bgs)				

Piping Removal	Yes	No	N/A
All piping removed hauled off w/ tanks?			
Obvious holes on pipes?		✓	
Obvious odors from pipes?		✓	
Obvious soil discoloration in piping trench?		✓	
Obvious odors from piping trench?		✓	
Water in piping trench?		✓	
Number & depth of soil samples from piping trench?		<u>NA</u>	
Number & depth of water samples from piping trench?		<u>NA</u>	

General Observations	Yes	No	N/A
Leak from any tank suspected?	✓		
"Leak Report" form given to the operator?		✓	
Obviously contaminated soil excavated?			✓
Soil stockpile sampled?	✓		
Stockpile lined AND covered?			✓
Water in excavation sampled?	✓		
Number/depth of water samples taken?			<u>6 FT, 1 L</u>
All samples properly preserved for transport?	✓		

Additional Observations	Yes	No	N/A
Soil/water sampling protocols acceptable?	✓		
Sampling "chain of custody" noted?	✓		
Tank pit filled in or covered?	✓		
Tank pit fenced or barricaded?		✓	
Transporter a registered HW hauler?	✓		
Uniform HW Manifest completed?	✓		
Contractor/Consultant reminded of complete UST Removal Report due within 30 days?	✓		
Date/Time removal/closure operations completed?			<u>3:35</u>
OT hours or additional charges due from contractor?			<u>0</u>

SITE & SAMPLING DIAGRAM

Notes/Comments: PIPING ENTERED TANK EXCAVATION. PIPES DRAINING, CUT BACK TO BE GARNISHED INENT.

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
 ENVIRONMENTAL HEALTH SERVICES
 1131 HARBOR BAY PARKWAY, RM 250
 ALAMEDA, CA 94502-6577
 PHONE # 510/567-6700

ACCEPTED

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

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Charges to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

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

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws. Notify this Department at least 72 hours prior to the following required inspections:

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

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

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Contact Specialist

ROBERT WESTON
 510 567-6781

2-25-02

ESMOD Construction
 Pam Hopkins
 510/287-1326

UNDERGROUND TANK CLOSURE PLAN

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

1. Name of Business CITY of ALAMEDA / East Bay MUD
 Business Owner or Contact Person (PRINT) Cheri Steets / Jim Jackson
510 385 6173
 2. Site Address 1001 West Red line Ave
 City Alameda Zip 94501 Phone 510-749-5842
 3. Mailing Address 950 West Mall Square
 City Alameda Zip _____ Phone _____
 4. Property Owner City of Alameda - Public Works Dept.
 Business Name (if applicable) (Under LIFOC w/Navy)
 Address 950 West Mall Square Site 100
 City, State Alameda, Ca. Zip 94501
 5. Generator name under which tank will be manifested
City of Alameda
- EPA ID# under which tank will be manifested CA C002334833

6. Contractor GETTLER-RYAN INC
 Address 6747 SIERRA COURT, SUITE J
 City DUBLIN, CA 94568 Phone (425) 551-7555
 License Type A, B, HAZ ID# 220793
7. Consultant (if applicable) _____
 Address _____
 City, State _____ Phone _____
8. Main Contact Person for Investigation (if applicable)
 Name _____ Title _____
 Company _____
 Phone _____
9. Number of underground tanks being closed with this plan ONE
 Length of piping being removed under this plan 5
 Total number of underground tanks at this facility (**confirmed with owner or operator) 1
10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

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

a) Product/Residual Sludge/Rinsate Transporter
 Name ECI EPA I.D. No. CAD982030173
 Hauler License No. 1533 License Exp. Date 03/02
 Address 255 PARR BLVD.
 City RICHMOND State CA Zip 94801

b) Product/Residual Sludge/Rinsate Disposal Site
 Name ROMAC EPA ID# CAD009452657
 Address 2081 BAY ROAD
 City EAST PALO ALTO State CA Zip 94803

c) Tank and Piping Transporter

Name ECI EPA I.D. No. CAD982030173
Hauler License No. 1533 License Exp. Date 03/02
Address 255 PARR BLVD.
City RICHMOND State CA Zip 94801

d) Tank and Piping Disposal Site

Name ECI EPA I.D. No. CAD009466392
Address 255 PARR BLVD.
City RICHMOND State CA Zip 94801

11. Sample Collector

Name ANDREW SMITH ~~XXXXXXXXXX~~
Company GUTTLER/RYAN INC.
Address 6747 SIERRA COURT, SUITE J
City DUBLIN State CA Zip 94568 Phone (925)551-7535

12. Laboratory

Name SEQUOIA ANALYTICAL
Address 404 NORTH WIGET LANE
City WALNUT CREEK State CA Zip 94598
State Certification No. 1271

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

If yes, describe. _____

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

DRI ICE

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

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

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

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
1,000 GAL	SUPPLY TO PUMP STATION # 1	SOIL	BENEATH TANK, MAXIMUM TWO FEET BELOW NATIVE SOIL/BACKFILL

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

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated) 20 cu. yds.	Sampling Plan ONE 4 POINT COMPOSIT

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

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

If yes, explain reasoning _____

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

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

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

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

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
DIESEL FUEL BTEX	DHS LUFT	8015 8020	2.0 PPM 0.005 PPM
STOCK PILE		6010	5.0 PPM

18. Submit Worker's Compensation Certificate copy

Name of Insurer CALIFORNIA STATE FUND

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

20. Enclose Deposit (See Instructions)

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

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

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

Client#: 3165

GETTLER

ACORD CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YY) 04/02/01
PRODUCER Arthur J. Gallagher & Co. CA Lic# 0726293 (925)460-9900 4301 Hacienda Dr. #300 Pleasanton, CA 94588	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
INSURERS AFFORDING COVERAGE		
INSURED Gettler - Ryan, Inc. 6747 Sierra Court, Suite J Dublin, CA 94568	INSURER A: Indian Harbor Ins Co INSURER B: CGU INSURER C: Greenwich Ins Co INSURER D: Calif State Fund (Oakland) INSURER E:	

COVERAGES

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

INSR LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS	
A	GENERAL LIABILITY	PEC0001987	04/01/01	04/01/02	EACH OCCURRENCE	\$3,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY				FIRE DAMAGE (Any one fire)	\$100,000
	<input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR				MED EXP (Any one person)	\$5,000
	<input checked="" type="checkbox"/> OCP				PERSONAL & ADV INJURY	\$3,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:				GENERAL AGGREGATE	\$3,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJ <input checked="" type="checkbox"/> LOC				PRODUCTS - COMP/OP AGG	\$3,000,000
B	AUTOMOBILE LIABILITY	CAAX62237	04/01/01	04/01/02	COMBINED SINGLE LIMIT (Per accident)	\$1,000,000
	<input checked="" type="checkbox"/> ANY AUTO				BODILY INJURY (Per person)	\$
	<input type="checkbox"/> ALL OWNED AUTOS				BODILY INJURY (Per accident)	\$
	<input type="checkbox"/> SCHEDULED AUTOS				PROPERTY DAMAGE (Per accident)	\$
	<input checked="" type="checkbox"/> HIRED AUTOS				AUTO ONLY - EA ACCIDENT	\$
	<input checked="" type="checkbox"/> NON-OWNED AUTOS				OTHER THAN AUTO ONLY: EA ACC	\$
	<input checked="" type="checkbox"/> Auto PhysDamage				AGG	\$
<input checked="" type="checkbox"/> \$1,000 Ded						
GARAGE LIABILITY	<input type="checkbox"/> ANY AUTO					
C	EXCESS LIABILITY	UEC000625801	04/01/01	04/01/02	EACH OCCURRENCE	\$5,000,000
	<input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE				AGGREGATE	\$5,000,000
	<input type="checkbox"/> DEDUCTIBLE					\$
	<input checked="" type="checkbox"/> RETENTION \$0					\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	238181	04/01/01	04/01/02	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
					E.L. EACH ACCIDENT	\$1,000,000
					E.L. DISEASE - EA EMPLOYEE	\$1,000,000
					E.L. DISEASE - POLICY LIMIT	\$1,000,000
B	OTHER Installation Floater/Builders Risk/Equipment Floater	CAR725189	04/01/01	04/01/02	\$100,000 Limit	\$1,000
					Deductible	\$100,000 Max any item

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENTS/SPECIAL PROVISIONS

CERTIFICATE HOLDER	ADDITIONAL INSURED; INSURER LETTER:	CANCELLATION Ten Day Notice for Non-Payment
Evidence of coverages		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.
		AUTHORIZED REPRESENTATIVE <i>Carol S. Cole</i>

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

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

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

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

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

CONTRACTOR INFORMATION

Name of Business GOTTLER-RYAN INC.

Name of Individual PAUL ROMITO

Signature *Paul Romito* Date 02/07/02

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business City of Alameda

Name of Individual Cheri Sheeps

Signature *Cheri Sheeps* Date 2-4-02

INSTRUCTIONS

General Instructions

- * Three (3) copies of this plan plus attachments and a deposit must be submitted to this Department.
- * Any cutting into tanks requires local fire department approval.
- * One complete copy of your approved plan must be at the construction site at all times; a copy of your approved plan must also be sent to the landowner.
- * State of California Permit Application Forms A and B are to be submitted to this office. One Form A per site, one Form B for each removed tank.

Line Item Specific Instructions

2. SITE ADDRESS
Address at which closure is taking place.
5. EPA I.D. NO. under which the tanks will be manifested
EPA I.D. numbers may be obtained from the State Department of Toxic Substances Control, 916/324-1781.
6. CONTRACTOR
Prime contractor for the project.
10. STATE REGISTERED HAZARDOUS WASTE TRANSPORTERS/FACILITIES
 - a) All residual liquids and sludges are to be removed from tanks before tanks are inerted.
 - c) Tanks must be hauled as hazardous waste.
 - d) This is the place where tanks will be taken for cleaning.
15. TANK HISTORY AND SAMPLING INFORMATION
Use History - This information is essential and must be accurate. Include tank installation date, products stored in the tank, and the date when the tank was last used.

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

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

16. CHEMICAL METHODS AND ASSOCIATED DETECTION LIMITS

See attached Table 2.

17. SITE HEALTH AND SAFETY PLAN

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

- a) The name and responsibilities of the site health and safety officer;
- b) An outline of briefings to be held before work each day to appraise employees of site health and safety hazards;
- c) Identification of health and safety hazards of each work task. Include potential fire, explosion, physical, and chemical hazards;
- d) For each hazard, identify the action levels (contaminant concentrations in air) or physical conditions which will trigger changes in work habits to ensure workers are not exposed to unsafe chemical levels or physical conditions;
- e) Description of the work habit changes triggered by the above action levels or physical conditions;
- f) Frequency and types of air and personnel monitoring - along with the environmental sampling techniques and instrumentation - to be used to detect the above action levels. Include instrumentation maintenance and calibration methods and frequencies;
- g) Confined space entry procedures (if applicable);
- h) Decontamination procedures;
- i) Measures to be taken to secure the site, excavation and stockpiled soil during and after work hours (e.g. barricades, caution tape, fencing, trench plates, plastic sheeting, security guards, etc.);
- j) Spill containment/emergency/contingency plan. Be sure to include emergency phone numbers, the location of the phone nearest the site, and directions to the hospital nearest the site;
- k) Documentation that all site workers have received the appropriate OSHA approved trainings and participate in appropriate medical surveillance per 29 CFR 1910.120; and
- l) A page for employees to sign acknowledging that they have read and will comply with the site health and safety plan.

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

NOTE: These requirements are excerpts from 29 CFR Part 1910.120(b)(4), Hazardous Waste Operations and Emergency Response; Final Rule, March 6, 1989. Safety plans of certain underground tank sites may need to meet the complete requirements of this Rule.

19. PLOT PLAN

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

- a) Scale;
- b) North Arrow;
- c) Property Lines;
- d) Location of all Structures;
- e) Location of all relevant existing equipment including tanks and piping to be removed and dispensers;
- f) Streets;
- g) Underground conduits, sewers, water lines, utilities;
- h) Existing wells (drinking, monitoring, etc.);
- i) Depth to ground water; and
- j) All existing tank(s) and piping in addition to the tank(s) being removed.

20. DEPOSIT

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

21. Blank Unauthorized Leak/Contamination Site Report forms may be obtained in limited quantities from this office or from the San Francisco Bay Regional Water Quality Control Board (510/286-1255). Larger quantities may be obtained directly from the State Water Resources Control Board at (916) 739-2421.

22. TANK CLOSURE REPORT

The tank closure report should contain the following information:

- a) General description of the closure activities;
- b) Description of tank, fittings and piping conditions. Indicate tank size and former contents; note any corrosion, pitting, holes, etc.;
- c) Description of the excavation itself. Include the tank and excavation depth, a log of the stratigraphic units encountered within the excavation, a description of root holes or other potential contaminant pathways, the depth to any observed ground water, descriptions and locations of stained or odor-bearing soil, and descriptions of any observed free product or sheen;
- d) Detailed description of sampling methods; i.e. backhoe bucket, drive sampler, bailer, bottle(s), sleeves
- e) Description of any remedial measures conducted at the time of tank removal;
- f) To-scale figures showing the excavation size and depth, nearby buildings, sample locations and depths, and tank and piping locations. Include a copy of the plot plan prepared for the Tank Closure Plan under item 19;
- g) Chain of custody records;
- h) Copies of signed laboratory reports;
- i) Copies of "TSDF to Generator" Manifests for all hazardous wastes hauled offsite (sludge, rinsate, tanks and piping, contaminated soil, etc.); and
- j) Documentation of the disposal of/and volume and final destination of all non-manifested contaminated soil disposed offsite.

TABLE #2
RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR
UNDERGROUND TANK LEAKS

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

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

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

EXPLANATION FOR TABLE #2: MINIMUM VERIFICATION ANALYSIS

1. OTHER METHODOLOGIES are continually being developed and as methods are accepted by EPA or DHS, they also can be used.
2. For DRINKING WATER SOURCES, EPA recommends that the 500 series for volatile organics be used in preference to the 600 series because the detection limits are lower and the QA/QC is better.
3. APPROPRIATE STANDARDS for the materials stored in the tank are to be used for all analyses on Table #2. For instance, seasonally, there may be five different jet fuel mixtures to be considered.
4. To AVOID FALSE POSITIVE detection of benzene, benzene-free solvents are to be used.
5. TOTAL PETROLEUM HYDROCARBONS (TPH) as gasoline (G) and diesel (D) ranges (volatile and extractible, respectively) are to be analyzed and characterized by GCFID with a fused capillary column and prepared by EPA method 5030 (purge and trap) for volatile hydrocarbons, or extracted by sonication using 3550 methodology for extractable hydrocarbons. Fused capillary columns are preferred to packed columns; a packed column may be used as a "first cut" with "dirty" samples or once the hydrocarbons have been characterized and proper QA/QC is followed.
6. TETRAETHYL LEAD (TEL) analysis may be required if total lead is detected unless the determination is made that the total lead concentration is geogenic (naturally occurring).
7. CHLORINATED HYDROCARBONS (CL HC) AND BENZENE, TOLUENE, XYLENE AND ETHYLBENZENE (BTX&E) are analyzed in soil by EPA methods 8010 and 8020 respectively, (or 8240) and in water, 601 and 602, respectively (or 624).
8. OIL AND GREASE (O & G) may be used when heavy, straight chain hydrocarbons may be present. Infrared analysis by method 418.1 may also be acceptable for O & G if proper standards are used. "Standard Methods" 17th Edition, 1989, has changed the 503 series to 5520.
9. PRACTICAL QUANTITATION REPORTING LIMITS are influenced by matrix problems and laboratory QA/QC procedures. Following are the Practical Quantitation Reporting Limits:

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

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

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

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

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

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

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

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

EPILOGUE

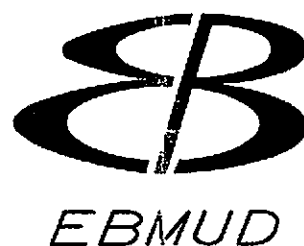
ADDITIVES: Major oil companies are being encouraged or required by the federal government to reformulate gasoline as cleaner burning fuels to reduce air emissions. MTBE (Methyl-tertiary butyl ether), ETHANOL (ethyl alcohol), and other chemicals may be added to reformulate gasolines to increase the oxygen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

10 August 1990

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

**EAST BAY MUNICIPAL UTILITY DISTRICT
SPECIAL DISTRICT NO. 1**

Oakland, California



**ALAMEDA NAS WASTEWATER PUMP STATION No. 1
REHABILITATION**

SD-247

February 2001

Volume 3 Drawings

Recommended



Edward H. McCormick
Mgr. of Support Services
R.P.E. No. C 33317

Approved



David R. Williams
Director of Wastewater
R.P.E. No. C 25942

LIST OF DRAWINGS

PROJECT DRAWINGS

GENERAL

- 247-Z-001 LOCATION MAPS, GENERAL NOTES AND LIST OF DRAWINGS
- Z-002 LIST OF ABBREVIATIONS (SHEET 1 OF 2)
- Z-003 LIST OF ABBREVIATIONS (SHEET 2 OF 2), LEGEND AND SYMBOLS
- Z-004 DESIGN CRITERIA, HYDRAULIC PROFILE AND PIPING SYMBOLS

CIVIL

- 247-C-001 PUMP STATION SITE LAYOUT - NORTH
- C-002 PUMP STATION SITE LAYOUT - SOUTH
- C-003 PAVING AND GRADING PLAN
- C-004 UPPER LEVEL DEMOLITION PLAN
- C-005 LOWER LEVEL DEMOLITION PLAN
- C-006 EXISTING CONDITIONS AND DEMOLITION PHOTOS
- C-007 EXISTING CONDITIONS AND DEMOLITION PHOTOS
- C-008 EXISTING CONDITIONS AND DEMOLITION PHOTOS
- C-009 MISCELLANEOUS DETAILS

ARCHITECTURAL

- 247-A-001 GENERATOR BUILDING PLAN AND ELEVATIONS
- A-002 EXISTING PUMP STATION EXTERIOR ELEVATIONS
- A-003 FINISH SCHEDULE, DOOR SCHEDULE AND DETAILS
- A-004 DETAILS

STRUCTURAL

- 247-S-001 GENERAL NOTES AND TYPICAL DETAILS
- S-002 PUMP STATION UPPER LEVEL PLAN
- S-003 PUMP STATION LOWER LEVEL PLAN
- S-004 HEADWORKS SECTIONS, DETAILS AND SCHEDULE
- S-005 MISCELLANEOUS DETAILS
- S-006 GENERATOR BUILDING FOUNDATION PLAN AND ROOF PLAN
- S-007 GENERATOR BUILDING SECTIONS
- S-008 GENERATOR BUILDING SECTIONS AND DETAILS

MECHANICAL

- 247-M-001 PUMP STATION LOWER LEVEL PLAN
- M-002 PUMP STATION UPPER LEVEL AND SCRUBBER PLAN
- M-003 PUMP STATION VENTILATION ROOF PLAN
- M-004 PUMP STATION - SECTION A
- M-005 PUMP STATION - SECTION B
- M-006 PUMP STATION - SECTIONS C AND D
- M-007 GENERATOR BUILDING PLAN
- M-008 GENERATOR BUILDING SECTIONS
- M-009 MECHANICAL - MISCELLANEOUS DETAILS
- M-010 MECHANICAL - MISCELLANEOUS DETAILS

ELECTRICAL

- 247-E-001 LEGENDS AND ABBREVIATIONS
- E-002 SINGLE LINE DIAGRAM, PANELBOARD SCHEDULE AND MCC-A ELEVATION
- E-003 CONDUIT, PANELBOARD AND FIXTURE SCHEDULES
- E-004 PUMP STATION UPPER LEVEL PLAN
- E-005 PUMP STATION LOWER LEVEL PLAN
- E-006 PUMP STATION - SECTION A
- E-007 GENERATOR BUILDING PLAN AND DETAILS
- E-008 ELEMENTARY DIAGRAMS (1 OF 2)
- E-009 ELEMENTARY DIAGRAMS (2 OF 2)
- E-010 ELEMENTARY DIAGRAMS & DETAILS

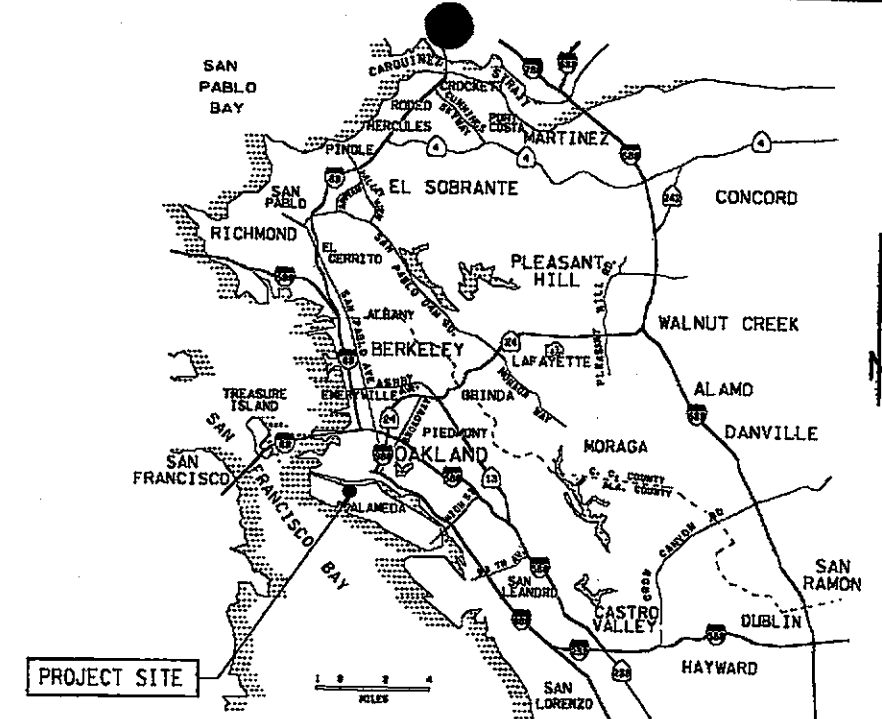
INSTRUMENTATION

- 247-I-001 SYMBOLS AND LEGEND
- I-002 WASTEWATER PUMPS (P&ID)
- I-003 HYPOCHLORITE SYSTEM (P&ID)
- I-004 DRY WELL/WET WELL, FAN, ODOR CONTROL & WASHDOWN PUMP CONTROL (P&ID)
- I-005 INSTRUMENTATION DETAILS

GENERAL NOTES

1. MATERIALS FURNISHED BY EBMUD WILL BE AVAILABLE TO THE CONTRACTOR AT CENTRAL WAREHOUSE, 1200 - 21ST STREET, OAKLAND, OR OAKPORT STORAGE CENTER, 5601 OAKPORT STREET, OAKLAND, AS DESIGNATED BY THE ENGINEER. FOR LISTING, SEE SECTION 01610 OF SPECIFICATIONS.
2. ELEVATIONS ARE BASED ON THE EBMUD ALAMEDA INTERCEPTOR DATUM OF 1989. PROJECT BENCHMARK IS EBMUD MONUMENT A-1 21 + 65.89, A BRASS DISK LOCATED AT NH STRUCTURE AT THE INTERSECTION OF "B" AVENUE, 500 FT WEST OF 4TH STREET. THIS POINT IS APPROXIMATELY 2 MILES FROM THE PROJECT SITE. ELEVATION IS +4.89.
3. PROJECT DRAWINGS IN THE SERIES ARE USUALLY REFERRED TO AS Z-001, C-001 ETC.
4. SECTIONS AND DETAILS ARE DESIGNATED BY FRACTIONAL SYMBOLS SUCH AS: $\frac{A}{C-001}$; $\frac{3}{M-001}$
 THE NUMERATOR IDENTIFIES THE SECTION OR DETAIL;
 LETTERS IDENTIFY SECTIONS.
 NUMERALS IDENTIFY DETAILS.
 THE DENOMINATOR IS THE SHEET REFERENCE NUMBER;
 IN A PARENT VIEW, IT IDENTIFIES THE SHEET ON WHICH THE SECTION OR DETAIL VIEW IS SHOWN.
 IN THE CAPTION OF A SECTION OR DETAIL VIEW, IT IDENTIFIES EACH SHEET ON WHICH THE PARENT VIEW IS SHOWN.
5. THE BOOKLET "STANDARD DRAWINGS FOR INSTALLATION OF EAST BAY MUNICIPAL UTILITY DISTRICT WATER MAINS 20" AND SMALLER, MARCH 1989" IS ALSO PART OF THIS SPECIFICATION AND WILL BE PROVIDED UPON REQUEST.
6. + DENOTES STANDARD DRAWINGS IN ABOVE BOOKLET.
7. COLORS SPECIFIED ARE FEDERAL STANDARD COLORS. ELECTRICAL EQUIPMENT PANELS THAT ARE MANUFACTURED GRAY SHALL REMAIN FACTORY COLOR.

PROJECT BENCHMARK



VICINITY MAP



LOCATION MAP



NO.	DATE	BY	REV.

Kennedy/Jenks Consultants
 622 Folsom Street
 San Francisco, California 94107

DESIGNED BY	KCA
DESIGN CHECKED BY	PJL
DRAWN BY	CADNET
SR. PROJ. ENGR.	
E.P.C. NO.	
APPROVED	
PRINCIPAL IN CHARGE R.P.C. NO.	

PROJECT ENGR.	
RECOMMENDED ENGR.	
E.P.C. NO.	

EAST BAY MUNICIPAL UTILITY DISTRICT
 SPECIAL DISTRICT No. 1
 OAKLAND, CALIFORNIA

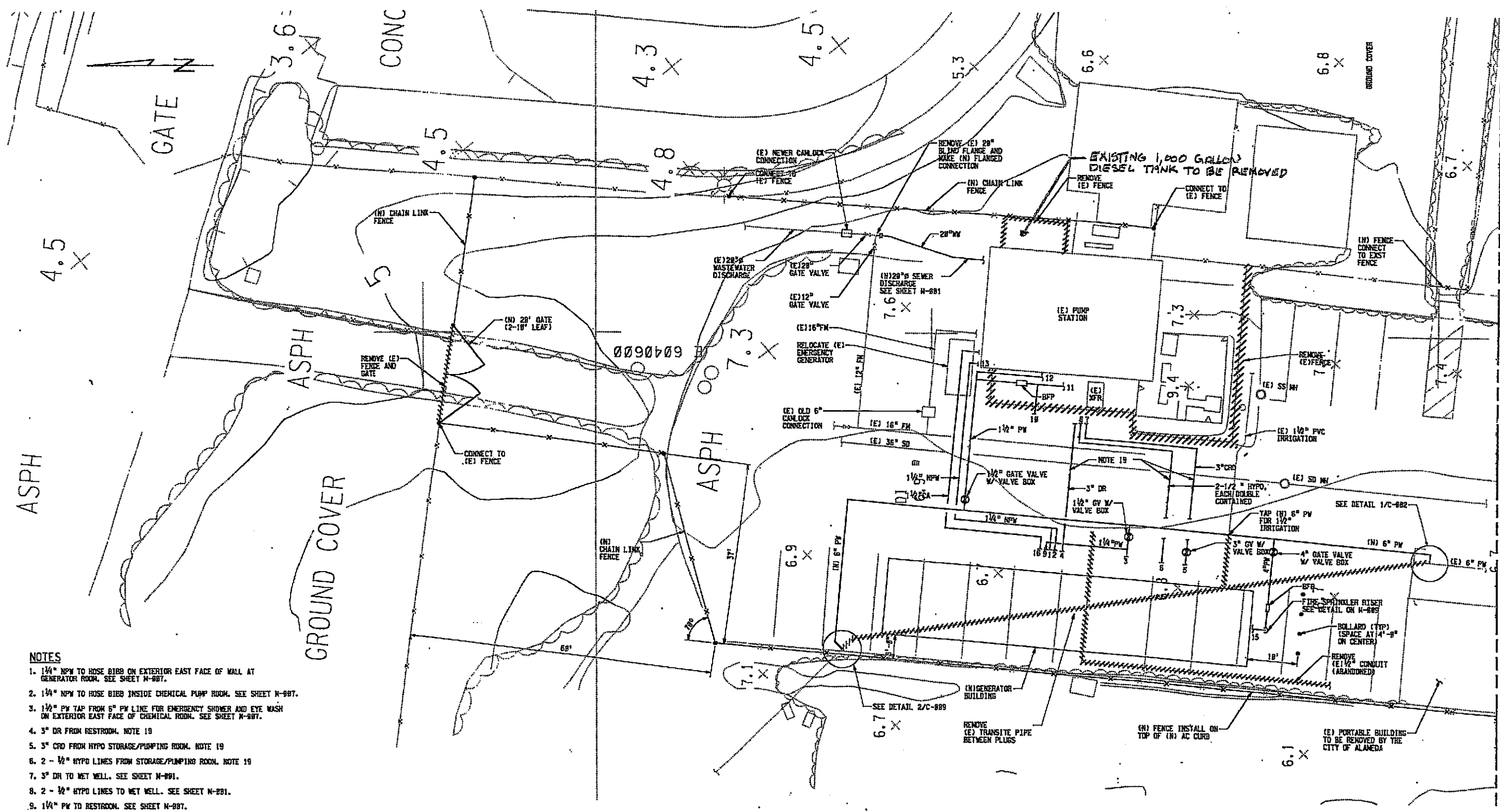
ALAMEDA NAS PUMP STATION NO. 1
 REHABILITATION

GENERAL
 LOCATION MAPS, GENERAL NOTES AND
 LIST OF DRAWINGS

FACILITY: _____
 SCALE: NTS
 DATE: JAN 2881

DRAWING No. **SD247-Z-001**
 SHEET 1 OF 50
 SPECIFICATION NO: _____





MATCHLINE FOR CONTINUATION SEE DRAWING 247-C-002

- NOTES**
1. 1/4" NPW TO ROSE BIBB ON EXTERIOR EAST FACE OF WALL AT GENERATOR ROOM. SEE SHEET N-887.
 2. 1/4" NPW TO ROSE BIBB INSIDE CHEMICAL PUMP ROOM. SEE SHEET N-887.
 3. 1/2" PW TAP FROM 6" PW LINE FOR EMERGENCY SHOWER AND EYE WASH ON EXTERIOR EAST FACE OF CHEMICAL ROOM. SEE SHEET N-887.
 4. 3" DR FROM RESTROOM. NOTE 19
 5. 3" CRO FROM HYPO STORAGE/PUMPING ROOM. NOTE 19
 6. 2 - 1/2" HYPO LINES FROM STORAGE/PUMPING ROOM. NOTE 19
 7. 3" DR TO MET WELL. SEE SHEET N-881.
 8. 2 - 1/2" HYPO LINES TO MET WELL. SEE SHEET N-881.
 9. 1/4" PW TO RESTROOM. SEE SHEET N-887.
 10. 1/4" NPW TO ODDR SCRUBBER. SEE SHEET N-882.
 11. 1/2" NPW TO AIR GAP TANK. SEE SHEET N-882.
 12. 1/2" PW TO EMERGENCY SHOWER AND EYEWASH. SEE SHEET N-882.
 13. 1/4" NPW FROM PUMP STATION. SEE SHEET N-882.
 14. FOR BURIED ELECTRICAL CONDUIT, SEE SHEET E-884.
 15. TO SPRINKLER SYSTEM. SEE SHEET N-887.
 16. 1/4" CA FROM GENERATOR ROOM. SEE SHEET N-887.
 17. ALL PRESSURIZED LINES SHALL MAINTAIN A MINIMUM DEPTH OF COVER OF 30".
 18. ALL DRAIN LINES SHALL SLOPE 1/4" PER FOOT MINIMUM INSIDE STRUCTURES AND 1/8" PER FOOT MINIMUM OUTSIDE STRUCTURES.
 19. PIPE SHALL SLOPE DOWNWARD FROM GENERATOR BUILDING TO PUMP STATION, CONTINUOUSLY FOR FULL DISTANCE, AT MIN. SLOPE OF 1/4" PER FT.

SITE PLAN
1"=10'

3" ON ORIGINAL DOCUMENT

NO.	DATE	BY	REC.

Kennedy/Jenks Consultants
622 Folsom Street
San Francisco, California 94107

DESIGNED BY: KCA
 DESIGN CHECKED BY: FJL
 DRAWN BY: CADNET
 ENR. PROJ. ENGR. S.P.E. NO. 144278
 APPROVED: [Signature]
 PRINCIPAL IN CHARGE R.P.E. NO.

PROJECT ENGR. S.P.E. NO. 144278
 PROJECT SUPERVISOR S.P.E. NO. 144278
 [Signature]



EAST BAY MUNICIPAL UTILITY DISTRICT SPECIAL DISTRICT No. 1 OAKLAND, CALIFORNIA	
ALAMEDA NAS PUMP STATION NO. 1 REHABILITATION CIVIL GRADING AND PAVING PLAN	
FACILITY:	DRAWING No. SD247-C-001
SCALE: 1"=20'	SHEET 5 OF 58
DATE: JAN 2881	SPECIFICATION NO:



Gettler-Ryan Inc.
6747 Sierra Court, Suite J
Dublin, CA 94568-2611

FACSIMILE COVER SHEET

DATE: March 7, 2002
(GR # _____)

TO: Robert Weston FAX: (510) 337-9335

COMPANY: Alameda County

RE: tank pull.

FROM: Ann

PHONE: (925) 551-7555

FAX: (925) 551-7888

COMMENTS: location: E.B. mud.
1001 West Red line ave
alameda. Ca.

schedule: Wed. March 13, 2002 2:00 PM.

1 pages including cover

thanks
Ann

If there are any problems with this transmission, please call (925) 551-7555

_____ Hardcopy to follow

* request to have you on site

GETTLER-RYAN INC.

1364 North McDowell Blvd. Suite B2
Petaluma, CA 94954-1116
Phone (707) 789-3255, Fax (707) 789-3218

FAX

Date: 02/21/02
 Number of pages including cover sheet: 5

To: Alameda County Health
 1131 Harbor Bay Parkway
 Room 250
 Alameda, CA 94502
 Attn: Rob Weston
 Phone: (510) 567-6700
 Fax phone: (510) 337-9335
 CC: _____

From: Tom Piskor
 Phone: (707) 789-3255
 Fax phone: (707) 789-3218

Subject: **City of Alameda (EBMUD)**
1001 Red Line Avenue
Alameda, CA 94501

REMARKS: Urgent For your review Reply ASAP As requested

Rob,
 Attached is the Site Safety Plan for the above project. Call if you questions, comments or require additional information.

Thanks for your help,

SITE SAFETY PLAN

JOB #11121.01

GENERAL INFORMATION:

SITE: Owner: City of Alameda
(EBMUD)
Location: 1001 Red Line Avenue
City: Alameda, CA 94501

PLAN PREPARED BY: Gettler-Ryan Inc. (925) 551-7555

DATE: February 21, 2002

OBJECTIVES: To provide a plan for the safe completion of the site work.

PROPOSED DATE OF SITE WORK: March, 2002

DOCUMENTATION/SUMMARY: Hazardous materials may be present, caution is advised. Work includes removal of one underground Diesel storage tank.

SITE/WASTE CHARACTERISTICS:

WASTE TYPE(S):	Liquid	Solid	Gas
CHARACTERISTIC(S):	Volatile	Flammable	Toxic
FACILITY DESCRIPTION:	Former pump station.		
STATUS:	Former Pump Station.		

HAZARD VALUATION:

PARAMETER:	TLV:	300 ppm OV
	HEALTH:	Ingestion, inhalation, absorption
	LEL:	0% Gastehtor maximum

Site Safety Plan

Former Pump Station
Page 2**SPECIAL PRECAUTIONS
AND COMMENTS:**

Correct safety procedures must be followed Gettler-Ryan Inc. Health and Safety Plan. All workers must be 29 CFR certified within the last 12 months.

All instruments (LEL meter and PID meters) shall be recently calibrated.

Tanks shall be inerted with 30 pounds of dry ice per 1,000 gallon capacity. Use CAUTION when handling dry ice - wear gloves.

SITE SAFETY WORKPLAN:**PERIMETER
ESTABLISHMENT:**

Work area will be restricted to authorized personnel. Use barricades and flagging to restrict access to work areas as necessary.

**PERSONAL
PROTECTION:**

Level of Protection: EPA Level D
Modifications: Rubber gloves, hard hats, orange vests.
Surveillance Equipment and Material: Gastech Model 1314

**SITE ENTRY
PROCEDURES:**

Authorized personnel only inside work area during construction.

**DECONTAMINATION
PROCEDURES:**

Personnel: Wash thoroughly with detergent solution and water.
Equipment: Steam Clean if necessary.

FIRST AID:

As applicable.

WORK LIMITATIONS:

(Time of day, weather, heat/cold stress): None.

**PROJECT-DERIVED
MATERIAL DISPOSAL:**

Tank, Piping and rinsates will be disposed of by ECI

TEAM COMPOSITION:

Ron Andrade - Job Foreman, Site Safety Officer, & Competent Person
1-2 Helpers
1 Field Technician

Site Safety Plan

Former Pump Station
Page 3**EMERGENCY INFORMATION:**

LOCAL RESOURCES: Ambulance/Hospital Dial 911
Police/Sheriff/Highway Patrol Dial 911
Fire Department Dial 911

SITE RESOURCES: Telephone
First Aid Kit
Water Supply
Visqueen
Sorbant Pads
Fire Extinguishers - 2 - 20 lb. ABC Extinguishers

EMERGENCY CONTACTS: Gettler-Ryan Project Manager: Denny Gan (925) 551-7555
Safety Manager: Barry McCoy (925) 551-7555
EBMUD Engineer: Pam Hopkins (510) 287-1326

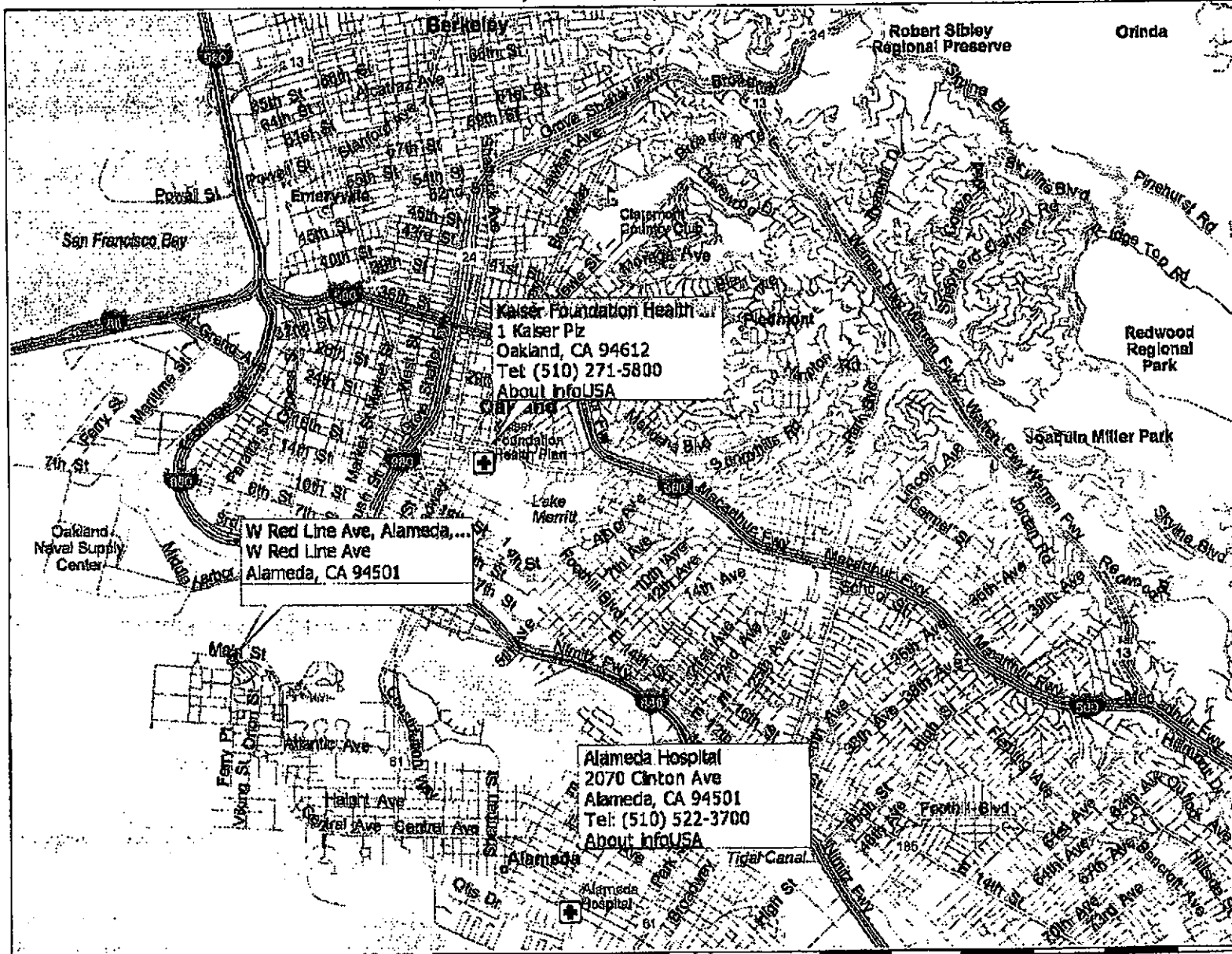
EMERGENCY ROUTES: Nearest emergency hospital is:

Alameda Hospital
2070 Clinton Avenue
Alameda, CA 94501
(510) 522-3700

Kaiser Foundation Health
1 Kaiser Plaza
Oakland, CA 94612
(510) 271-5800

MAP TO HOSPITAL ATTACHED

Piedmont, California, United States



** TOTAL PAGE.005 **

PAGE.005

TO 15103379335

FROM GETTLER RYAN

FEB 25 '02 8:35

GETTLER-RYAN INC.

1364 North McDowell Blvd. Suite B2
Petaluma, CA 94954-1116
Phone (707) 789-3255, Fax (707) 789-3218

TRANSMITTAL

TO: Alameda County Health
1131 Harbor Bay Parkway
Room, 250
Alameda, CA 9450
Attn: Rob Weston

DATE: 02/07/02
PROJECT NO. 11121.02
SUBJECT: EBMUD
1001 W. Redline Ave.
Alameda, CA

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	02/07/02	Permit Application
3	01/2001	Plans
1	02/07/02	Check for \$1,250.00 (Check # 2275)

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For review and comment | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> For your files |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> For your use |
| <input checked="" type="checkbox"/> For Approval | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> As noted below |

COMMENTS:

Rob,
Please contact me if you have questions, comments or require additional information.

Thank you,

Signed: 
Tom Piskor, Design Development Manager

COPIES TO:

2275

SR0002058 RW

GETTLER-RYAN INC.
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DUBLIN, CA 94568

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DATE 2-7-02

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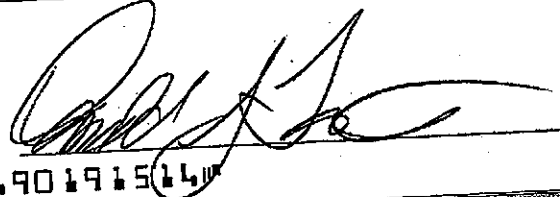
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