

R William Rudolph, P.E. President

May 7, 1997 SCI 469.013

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

Documentation of Well Destruction College of Alameda 555 Atlantic Avenue Alameda, California

Dear Ms. Shin:

This letter summarizes activities undertaken by Subsurface Consultants, Inc. (SCI) to remove five monitoring wells (MW-1 through MW-5) for the Peralta Community College District at the referenced site. Well destruction was performed as requested by Alameda County Health Care Services Agency (ACHCSA) in a letter dated October 17, 1996. The work described herein was performed in accordance with Well Destruction Requirements set forth under Alameda County Flood Control District, Zone 7 drilling permit 97177 dated March 20, 1997.

In 1991, five underground storage tanks were removed from the site. SCI installed a total of five monitoring wells (MW-1 through MW-5) at the site in 1991 and 1994 to investigate potential impacts to groundwater. We conducted quarterly monitoring at the site in all wells for two hydrologic cycles. SCI requested that the site be closed in a report dated August 21, 1996.

Well Destruction

On March 25, 1997, Bay Area Exploration, Inc., a licensed well-drilling contractor, was retained to destroy the site wells. An SCI field geologist was onsite during field activities to observe the work.

All wells were removed by drilling out the existing well materials to a depth approximately 1 foot below the bottom of the wells or 15 to 16 feet below the ground surface. The resulting borehole was then pumped full of neat cement grout via tremie methods to displace any existing groundwater. The five wells were situated within asphalt pavement. Therefore, after the grout

Subsurface Consultants, Inc.

Ms. Juliet Shin Alameda County Health Care Services Agency May 7, 1997 SCI 469.013 Page 2

seal had set, the surface was patched with asphalt concrete to match existing conditions. The cuttings generated by the activities were removed on April 18, 1997 and disposed of at a Class II landfill.

The wells have been destroyed in accordance with Zone 7 Water Agency requirements. We therefore respectfully request that ACHCSA issue a Remedial Action Completion Certification letter and Case Closure Letter for this site.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.

Jerome de Verrier Staff Engineer

JD:JNA:TJM:ly 469.013\welldstr.doc

cc: Mr. Robert Mibach
Director, Physical Plant
Peralta Community College District
333 East 8th Avenue
Oakland, California 94606

Mr. Craig Mayfield Alameda County Flood Control District, Zone 7 5997 Parkside Drive Pleasanton, California 94588-5127

ALAMEDA COUNTY

HEALTH CARE SERVICES

AGENCY



DAVID J. KEARS, Agency Director

October 17, 1996

Mr. Robert Mibach Peralta Community College 333 East 8th Avenue Oakland, CA 94606 ENVIRONMENTAL HEALTH SERVICES ENVIRONMENTAL PROTECTION (LOP) 1,131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 (510) 567-6700

FAX (510) 337-9335

STID 3683

Re:

Destruction of monitoring wells at College of Alameda, located at 555 Atlantic Avenue,

Alameda, CA 94501

Dear Mr. Mibach,

This office and the San Francisco Bay Region- Water Quality Control Board have reviewed the case files for the above site and have determined that the site is ready for closure. However, prior to issuing a closure letter, this office is requesting that the five remaining monitoring wells be properly destroyed under permit from the Alameda County Flood Control District, Zone 7. Once closure of these wells is documented, this office will send you the Remedial Action Completion Certification letter, along with the Case Closure Summary.

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

Sincerely,

Juliet Shin

Senior Hazardous Materials Specialist

cc:

Jerome de Verrier, Subsurface Consultants, Inc., 171-12th Street, Ste 201,

Oakland, CA 94607

Acting Chief

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, Assistant Agency Director

DEPARTMENT OF ENVIRONMENTAL HEALTH

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

January 18, 1996

Mr. Robert Mibach Peralta Community College District 333 East 8th Avenue Oakland, CA 94606

STID 3683

Re:

Work plan for investigations at College of Alameda, located at 555 Atlantic Avenue, Alameda, California

Dear Mr. Mibach,

This office has reviewed Subsurface Consultants' (SCI) work plan, dated January 9, 1996, for further soil and groundwater investigations at the above site. Per my conversation with Jeriann N. Alexander, SCI, on January 18, 1996, this office is requesting that the proposed boring located between MW-2 and MW-5 be moved approximately 15 feet north of its currently proposed location to better address the downgradient extent of the observed hydrocarbon plume. The primary concerns of this investigation should be to establish that the contaminant plume is stable and will not impact surface waters or human health.

This work plan is acceptable to this office. Field work should commence within 60 days of the date of this letter. A report documenting the work should be submitted to this office within 45 days after completing field activities.

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

Sincerely.

Juliet Shin

Senior Hazardous Materials Specialist

cc:

Jeriann N. Alexander Subsurface Consultants, Inc. 171 12th Street, Ste 201 Oakland, CA 94607

Acting Chief-File

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY





RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

Alameda County
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda CA 94502-6577

(510) 271-4530

CC4586

July 3, 1995

DAVID J. KEARS, Agency Director

Mr. Robert Mibach Peralta Community College District 333 East 8th Avenue Oakland, CA 94606

STID 3683

Re:

Investigations at College of Alameda, located at 555

Atlantic Avenue, Alameda, California

Dear Mr. Mibach,

This office has reviewed Subsurface Consultant's Quarterly Groundwater Monitoring report, dated June 15, 1995. In this last quarter of monitoring, 9,700 parts per billion (ppb) of Total Oil & Grease (TOG) was identified in Well MW-1. If the levels of TOG remain consistent or rise in this well in the next quarter, this office is requesting that the extent of this TOG contamination be delineated. Additionally, if the elevated levels of TOG persist in Well MW-3 within the next quarter of monitoring, further delineation of this contamination may also be required. The observed TOG plume(s) do not appear to be attributable to a regional problem since Wells MW-2 and MW-5 have not identified any TOG to date.

Lastly, the source of contaminants observed in Well MW-3 is uncertain. The contaminants observed in Well MW-3 do not appear to be resulting from the former waste oil tank, since the contaminants observed in Well MW-3 are different than those observed in Well MW-5, located adjacent to the former waste oil tank. Future investigations should include researching the source of this contamination, in addition to delineating this contamination.

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

Sincerely,

Juliet Shin

Senior Hazardous Materials Specialist

Mr. Robert Mibach Re: 555 Atlantic Ave. July 3, 1995 Page 2 of 2

cc: Marianne Watada

Subsurface Consultants, Inc.

171 12th St., Ste 201 Oakland, CA 94607

Acting Chief-File

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

DAVID J. KEARS, Agency Director

RAFAT A SHAHID, ASST AGENCY DIRECTOR

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

July 5, 1994

Mr. Robert Mibach Peralta Community College District 333 East 8th Avenue Oakland, CA 94606

STID 3683

Re: Investigations for College of Alameda, located at 555 Atlantic Ave., Alameda, California

Dear Mr. Mibach,

This office has reviewed Subsurface Consultants' Supplemental Ground Water Investigation Report, dated March 8, 1994, and the June 13, 1994 Quarterly Ground Water Monitoring Report. Wells MW-1, MW-3, and MW-5 must continue to be monitored on a quarterly basis for at least three additional quarters. Wells MW-2 and MW-4 may be monitored on a semi-annual basis.

Lastly, this office received the documentation for the disposal of excavated soil and the figures showing the initial sampling locations of Tank A-4, in February 1994, however, figures showing the locations of samples A-3-10, and A-3-11 were not included with the other information. Please submit this figure with the next quarterly report.

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

Sincerely,

Juliet Shin

Hazardous Materials Specialist

cc: Marianne Watada

Subsurface Consultants 171 12th Street, Ste 201

Oakland, CA 94607

Edgar Howell-File(JS)

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KLARS, Agency Director

RAFAT A SHAHID, ASST, AGENCY DIRECTOR

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

(510) 271-4530

December 27, 1993

Mr. Robert Mibach Peralta Community College District 333 East 8th Avenue Oakland, CA 94606

STID 3683

Re: Work plan for College of Alameda, located at 555 Atlantic Ave., Alameda, California

Dear Mr. Mibach,

This office has reviewed Subsurface Consultants' work plan, dated December 21, 1993. The work plan is acceptable to this office with the following changes/additions/reminders:

- o Monitoring well MW-3 may not yet be destroyed due to the fact that the highest levels of contaminants are currently being identified from this well.
- o It appears that the water table is very shallow at the site, therefore, you must take extra precautions to screen the wells adequately above and below the water table to accomodate for the seasonal fluctuations.
- o Samples must be analyzed for the following contaminant constituents: Total Petroleum Hydrocarbons as diesel (GCFID 3550), Total Oil & Grease (Method 5520 D & F), Benzene, toluene, ethylbenzene, and xylenes (Method 8020 or 8240).
- o Please be reminded that all the wells must be surveyed to an established benchmark (i.e., to Mean Sea Level) to an accuracy of 0.01 foot.
- o After installing the wells, you are required to wait a minimum of 24 hours before developing the wells. Additionally, after developing the wells, you are required to wait a minimum of 24 hours before sampling the wells.
- o Field work should commence within 60 days of the date of this letter. A report must be submitted within 45 days after the completing field activities. Subsequent reports are to be submitted quarterly until this site qualifies for final RWQCB "sign-off". The referenced initial and quarterly reports must describe the status of the investigations and must include, among others, the following elements:

Mr. Robert Mibach Re: 555 Atlantic Ave.

December 27, 1993

Page 2 of 2

- o Details and results of all work performed during the designated period of time: records of field observations and data, boring and well construction logs, water level data, chain-of-custody forms, laboratory results for all samples collected and analyzed, tabulations of free product thicknesses and dissolved fractions, etc.
- o Status of ground water contamination characterization
- o Interpretations of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target component, geologic cross sections, etc.
- o Recommendations or plans for additional investigative work or remediation.

Lastly, it appears that this office is missing a figure showing the locations for the initial round of soil samples collected prior to overexcavation (e.g., locations of samples A4-1 and A4-5), and the documentation showing the fate of the excavated soil. Please submit this information within 30 days of the date of this letter.

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

Sincerely,

Juliet Shin

Hazardous Materials Specialist

CC: R. William Rudolph
Subsurface Consultants, Inc.
171 12th Street, Ste 201
Oakland, CA 94607

Edgar Howell-File(JS)

	UNDERGROUND STORAGE TANK UNAUTHOR	RIZEC	RELEASE (LE	AK) / CONTAMINATION	ON SITE	REPORT		
	RGENCY HAS STATE OFFICE OF EMERGENCY SERVICE REPORT BEEN FILED? YES X NO YES NO		FOR LOCAL AGENCY USE ONLY THEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE					
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Ť	NAME OF INDIVIDUAL FILING REPORT	PHONE	/	SIGNATURE				
չ,	Robert Mibach	(510) ^{466–7336}	LIMA				
	REPRESENTING OWNER/OPERATOR REGIONAL BO	DARD	COMPANY OR AGENCY	NAME				
REPORTED	LOCAL AGENCY OTHER		·					
æ	ADDRESS					İ		
	STREETNAME		CONTACT PERSON		PHONE	ZIP		
RESPONSIBLE PARTY	Peralta Community College Districtor	OWN	Robert Miba	ach	1	466-7336		
PON	ADDRESS							
RES	333 East Eighth Street		0akland		CA STATE	94606		
	FACILITY NAME (IF APPLICABLE)		OPERATOR		PHONE			
ĕ	College of Alameda		Peralta Commu	unity College Dis	st[510]	466-7336		
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S	Webster Street							
G			CONTACT PERSON		PHONE			
MPLEMENTING AGENCIES	ACHCSA		Juliet Shir	n	(510	271-4530		
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HSC 05 (8/90)

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY



DAVID J. KEARS, Agency Director

RAFAT A SHAHID, ASST. AGENCY DIRECTOR

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

October 22, 1993

Mr. Robert Mibach Peralta Community College District 333 East 8th Avenue Oakland, CA 94606

STID 3683

Re: Investigations at the College of Alameda site, located at 555 Atlantic Ave., Alameda, California

Dear Mr. Mibach,

After four quarters of monitoring at the above site, it appears that the ground water gradient has continued to be towards the west/southeast. Therefore, it seems that none of the monitoring wells are located downgradient of any of the former underground storage tank locations. Although none of the wells are located in the downgradient direction, two of the three wells are still consistently identifying levels of diesel contamination. This indicates the potential for even higher contaminant concentrations downgradient of these former tanks.

This office needs confirmation that the ground water has not been severely impacted downgradient of the former tanks. Therefore, you are required to submit a work plan, within 45 days of the date of this letter, addressing investigations to reassure us that this is not the case.

Lastly, it appears that an Unauthorized Leak/Release Report form was never filled out for this site. Please complete the attached form and submit it to this office within 15 days of the date of this letter.

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

Sincerely,

Juliet Shin

Hazardous Materials Specialist

cc: Marianne Watada

Subsurface Consultants, Inc.

171 12th Street, Ste 201

Oakland, CA 94607

Edgar Howell-File(JS)



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

SUBSTANCE: 8006619 AGENCY # : 10000 StID : 3683 SOURCE OF FUNDS: F

DATE REPORTED: 08/15/91 SITE NAME: College Of Alameda DATE CONFIRMED: 08/15/91 ADDRESS: 555 Atlantic Ave.

MULTIPLE RPs : N CITY/ZIP : Alameda 94501

SITE STATUS

EMERGENCY RESP: CASE TYPE: S CONTRACT STATUS: 4

DATE COMPLETED: 03/23/92 RP SEARCH: S

DATE COMPLETED: DATE UNDERWAY: PRELIMINARY ASMNT: DATE UNDERWAY: DATE COMPLETED: REM INVESTIGATION: DATE UNDERWAY: DATE COMPLETED: REMEDIAL ACTION: DATE COMPLETED: DATE UNDERWAY: POST REMED ACT MON:

DATE ENFORCEMENT ACTION TAKEN: 03/23/92 ENFORCEMENT ACTION TYPE: 1

LUFT FIELD MANUAL CONSID: 2HSCA

DATE CASE CLOSED: CASE CLOSED:

DATE EXCAVATION STARTED: 08/15/91 REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION

RP#1-CONTACT NAME: Ronald Graciolett

COMPANY NAME: Peralta Community College Dist ADDRESS: 333 East 8th Street CITY/STATE: Oakland, Ca 94606

		TION:	
NAME		SIGNATURE	DATE
Name/Address	Changes Onl	DATA ENTRY INPU	T: Case Progress Changes
ANNPGMS	LOP	DATE	LOP DATE

ATER RESOURCES CONTROL BO DIVISION OF WATER QUALITY - UST CLEANUP PROGRAM SITE SPECIFIC QUARTERLY REPORT 01/01/92 THROUGH 03/31/92

AGENCY # : 10000

SOURCE OF FUNDS: F

SUBSTANCE: 8006619

stID : 3683

SITE NAME: College Of Alameda ADDRESS : 555 Atlantic Ave. 94501 CITY/ZIP : Alameda,

DATE REPORTED: 08/15/91 DATE CONFIRMED: 08/15/91

MULTIPLE RPS : N

SITE STATUS

CONTRACT STATUS: 2/ CASE TYPE: S RP SEARCH: S

EMERGENCY RESP: DATE COMPLETED: DATE COMPLETED: DATE COMPLETED:

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REMEDIAL ACTION: DATE UNDERWAY:
POST REMED ACT MON: DATE UNDERWAY:

DATE COMPLETED: DATE COMPLETED:

ENFORCEMENT ACTION TYPE: 1

DATE ENFORCEMENT ACTION TAKEN: 03/23/92

LUFT FIELD MANUAL CONSID: 2,H,S,C,A

DATE CASE CLOSED:

CASE CLOSED: DATE EXCAVATION STARTED:

REMEDIAL ACTIONS TAKEN:

RESPONSIBLE PARTY INFORMATION ______

RP#1-CONTACT NAME: Ronald Graciolett

COMPANY NAME: Peralta Community College Dist

ADDRESS: 333 East 8th Street CITY/STATE: Oakland, Ca 94606

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY

OGBA -

DAVID J. KEARS, Agency Director

RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

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

November 6, 1992

Ronald Graciolett Peralta Community College Dist 333 East 8th Street Oakland, CA 94606

STID 3683

RE: College of Alameda, located at 555 Atlantic Avenue,

Alameda, California

Dear Mr. Graciolett,

This office received the two quarterly ground water monitoring reports, dated August 3, 1992, and October 21, 1992, for the above site. In reviewing these reports, it was noted that none of the three on-site monitoring wells are located downgradient, southeast, of any of the former tank locations. If subsequent water level measurements continue to show the ground water flow direction to be towards the southeast, you may be required to install additional wells downgradient of the former tanks.

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

Sincerely,

Juliet Shin

Hazardous Materials Specialist

cc: Rich Hiett, RWQCB

Robert La Grone, Alameda Fire Dept.

Bill Rudolph Subsurface Consultants, Inc. 171 12th Street, Ste. 201 Oakland, CA 94607

Edgar Howell-File (JS)

•	DATE 6/2/92
-06-	
AFFILIATION	. Subsurface Consultant
PHONE: _	(510) 268-0461

RE: STID 3683 - College of Alameda -555 Atlentic Ack,
Manuela, California

AFFILIATION: Slaveda

CONTACT LOG

(Returned

FROM: Bill Rudolph Call

TITLE:

Mr. Ruelalph stated that a tank Closure funct of Mountaining Well Tustallation request have brown put together for site. He will have College of blanceda send copies to this officer

DATE: 2/24/92

TO : Local Oversight Program

FROM: RON DWCARZ

SUBJ: Transfer of Elligible Oversight Case

site name: College of Alameda					
Address: 555 Atlantic Ave. city Alameda zip 94501					
Closure plan attached? (V) N DepRef remaining \$ 865,26					
DepRef Project # 6026 STID #(if any)3683					
Number of Tanks: 5 removed? N Date of removal 8/15/9/					
Leak Report filed? Y N Date of Discovery					
Samples received? (V) N Contamination: Soil + water					
Petroleum (V) N Types: Avgas Jet Teaded (unleaded Diesel fuel oil) waste oil kerosene solvents					
Monitoring wells on site O Monitoring schedule? Y 🕥					
Briefly describe the following:					
Preliminary Assessment NA					
Remedial Action NA					
Post Remedial Action Monitoring may weel MUS					
Enforcement Action					
comments: No laboratory results in File but soil contamination was evident at tank pulls. No ULR form in the.					

SECTION C HAZARDOUS SUBSTANCES

Cl.	Please check if any of the or handled by your firm:	e following	categories of	hazardous substances is used
	TOXIC		CORROSIVE	
	FLAMMABLE OR IGNITABLE		REACTIVE	
C2.	Please check the attached store, mix, treat, formula and enter each by the number of the number of the store.	list for a ate, genera er identif	ny of the chemi te, manufacture ied on the list	cal substances you receive, , transport or dispose of, in the spaces below:
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P	lease return completed for	n to:		

Alameda County Division of Environmental Health 470-27th Street, Room 322
Cakland, CA 94612
(415) 874-7237
-2-

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

ACCEPTED

Project Specialist (print) $^{(}$

DEPARTMENT OF ENVIRONMENTAL HEALTH 470 - 27th Street, Third Floor Oakland, CA 946:2

Telephone: (4:5) 874-7237

local health laws Changes to your plans indicated by this These plans have been reviewed and found to be acceptable and essertially meet the requirements of State and

beel health laws Changes to four plans material by this contraction.

Concern and the project proposed here, is now released for issuance of any required building parmits for construction.

Concern of these accepted plans must be on the job and avaitable to all contractors and creftsmen involved with the removal.

Concern of these accepted plans must be on the job and avaitable to all contractors and creftsmen involved with the removal.

Concern of the contractors and creftsmen involved with anythe removal.

Concern of these accepted plans and specifications are submitted to this Department and to the fire and changes meet the requirements of State and local laws.

Confident of the requirements of State and local laws.

Confident of the requirements of State and local laws.

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pliance with accepted plans and all applicable laws and THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE NUIBOHIS. regulations.

ê

Issuance of a permit to operate is dependent

PLAN Complete according to attached instructions

1.	Business Name <u>College of Alamed</u>	<u>a</u>		
	Faulty contact			
	Business Owner <u>Peralta Community</u>	College District		
2.	Site Address555 Atlantic Avenue	!		
	City <u>Alameda, Ca</u>	Zip <u>94501</u>	Phone	(415) 466-7340
_	181	•		
3.	Mailing Address 333 East 8Th Stre	<u>et </u>		
	City <u>Oakland</u> , CA	7in 94606	Phono	
	crey contain, en	_ 215 3100	FHORE	
4.	Land Owner			
	Address	City, State		Zip
5.	Generator name under which tank	will be manifes	ted	,
	,	Wall Do Maillion	,	
	College of Alameda	415		
	WDA T D No mandament date to a			
	EPA I.D. No. under which tank w	lli be manifeste	ed <u>CACOO</u>	J60 9 968

. ••	Contractor Tank Protect Engineering of Northern California
	Address2821 Whipple Road
	City <u>Union City, CA 94587</u> Phone (415) 429-8088
	License Type A ID# 575837
7.	Consultant Tank Protect Engineering of Northern California
	Address <u>2821 Whipple Road</u>
	City <u>Union City, CA 94587</u> Phone <u>(415) 429-8088</u>
8.	Contact Person for Investigation LoNALD Name Roland Graciolett Title CHIEF ENGINEER
	Phone (415) 466-7340
9.	Number of tanks being closed under this plan5
	Length of piping being removed under this plan
	Total number of tanks at facility _5
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 N/A EPA I.D. No
	Hauler License No License Exp. Date
,	Address
	City State Zip
	b) Product/Residual Sludge/Rinsate Disposal Site
	NameN/A EPA I.D. No
	Address
	City State Zip

•	c) Tank and Piping Transporter	
	Name Erickson, Inc.	EPA I.D. No. <u>CAD009466392</u>
	Hauler License No.	License Exp. Date
	Address 25 Parr Blvd.	
	City Richmond s	tate <u>CA</u> zip <u>94801</u>
	d) Tank and Piping Disposal Site	
	Name Erickson, Inc.	EPA I.D. No. <u>CAD009466392</u>
	Address25 Parr Blvd.	
	City <u>Richmond</u> s	tate <u>CA</u> Zip <u>94801</u>
11.	Experienced Sample Collector NameDennis Alexander	
	Company SubSurface Consultants, Inc.	
	Address 171-12th Street, Suite 201	
	City <u>Oakland</u> State <u>CA</u> Z	
12.	Laboratory	
	Name Curtis & Thomkins	
	Address 2323 5th Street	•
	City Berkeley State	CA Zip 94710
	State Certification No.	
13.	Have tanks or pipes leaked in the past	? Yes [] No []
	If yes, describe.	

14. Describe methods to be used for rendering tank inert

<u>Jse</u>	15	lbs	<u>of</u>	dry	ice	per	each	1,000	gallon	capacity	for	each	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

Tar	nk	Material to	Togetien and		
Capacity	Use History (see instructions)	be sampled (tank contents, soil, ground- water, etc.)	Location and Depth of Samples		
100 Gallon 550 Gallon	Gasoline Gasoline	Soil Soil	One sample from fill or pump end of each tank; Max of 2 ft below the tank pit.		
500 Gallon	Waste Oil	Soil	One sample from fill or pump end of each tank; Max of 2 ft below the tank pit.		
10,000 Gallon	Fuel Oil	Soil	One sample at each		
4,000 Gallon	Fuel Oil	Soil	end of each tank; Max. of 2 ft. below the tank pit.		
	Piping	Soil	One sample every 20 lineal ft.		

Groundwater to be sampled if encountered

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
	One sample for every 20 cubic yard

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
Gasoline	TPHG EPA METHOD 5030 BTEX EPA METHOD 8020		1 ppm .005 ppm
Waste Oil	TPHG EPA METHOD 5030 TPHD EPA METHOD 3550 BTEX EPA METHOD 8020 O & G SM 5520 E & F (GRAVII) CL HC EPA METHOD 8010 METALS: cd, cr, pb, zn, ni SEMI-VOLATILE ORGANICS BY	EPA METHOD AA	1 ppm 1 ppm .005 ppm 30 ppm
Fuel Oil	TPHD EPA 3550 BTEX EPA 8020		

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

Name of Insurer __State Compensation Insurance Fund

- 19. Submit Plot Plan (See Instructions)
- 20. Enclose Deposit (See Instructions)
- 21. Report any leaks or contamination to this office within 5 days of discovery. The report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report form. (see Instructions)
- 22. Submit a closure report to this office within 60 days of the tank removal. This report must contain all the information listed in item 22 of the instructions.

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

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

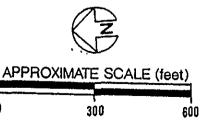
I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

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

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

Name (please type) <u>Jafar Farhoomand</u>	
Signature Joseph Jahopus d	
Date <u>6/21/91</u>	
Signature of Site Owner or Operator	
Name (please type) / Ronald A. Graciolett, Chief Engineer	
Signature Conell a Maroll	
Date 8-/-9/	

Signature of Contractor



COLLEGE SITE PLAN

Subsurface Consultants

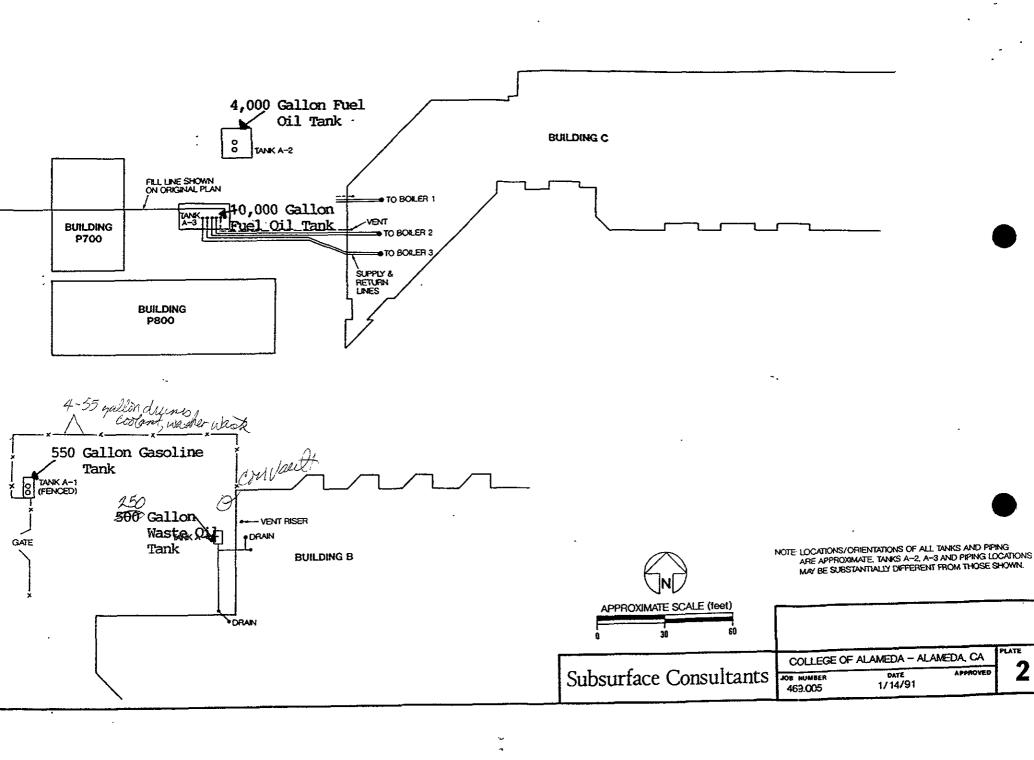
COLLEGE OF ALAMEDA - ALAMEDA, CA

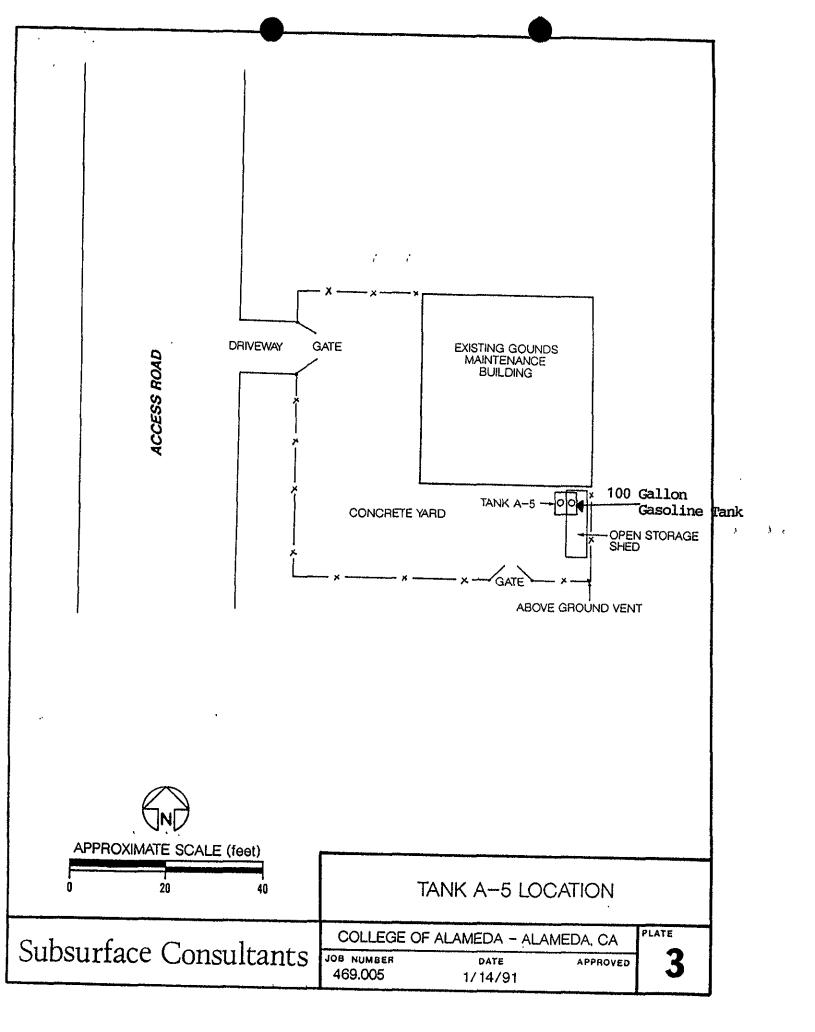
JOB NUMBER 469.005

DATE 1/4/91 APPROVED

PLATE

ATLANTIC AVENUE







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

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

NOVEMBER 20, 1990

POLICY NUMBER:

1145921-90

CERTIFICATE EXPIRES:

9-1-91

PRESIDENT

CITY OF OAKLAND BUILDING INSPECTION DEP. #1 CITY HALL PLAZA OAKLAND, CA 94612

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

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

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

This certificate of insurance is not an insurance policy and does not amend, extend or alter the coverage afforded by the policies listed herein. Notwithstanding any requirement, term, or condition of any contract or other document with respect to which this certificate of insurance may be issued or may pertain, the insurance afforded by the policies described herein is subject to all the terms, exclusions and conditions of such policies.

FAX: 429-8089

EMPLOYER

TANK PROTECT ENGINEERING OF NO CALIFORNIA, INC. 2821 WHIPPLE ROAD UNION CITY, CA 94587

TANK PROTECT ENGINEERING OF NORTHERN CALIFORNIA, INC. SITE SAFETY PLAN

Site	College of Ala	meda	····	F	Project Number	175		
Orig	inal Site Saf	ety Plan: Y	es (k) No	() E	Revision Number	,		
Plan	Prepared by_	Tank Protect	Engineering	i E	Date 6-21-91			
Plan	Approved by	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	ali alivo shikkin isan kasamin ali Mili Mili Mili	I	Date	and analysis and many as the same		
	use respond to ns is not app				as possible. '.	Where an		
1.	KEY PERSONNEI	AND RESPON	SIBILITIE	!s				
	responsibilit	cies; i.e.,	project m	nanage:	aith and safer r - Joe Smith e activities.)			
	Project Manag	ger	Lyle Tra	vis				
	Site Safety N	lanager	Ahmad Sha	ah				
	Alternate Sit	te Safety Manager_	nager	Lyle Travis				
	Field Team Me	embers	Lyle		e Travis			
		.,,		Alan K	afai			
	***************************************	gy o k w mark hing gardage a likage - aproximptik - at skin		Consta	ntine Conis	where the against the same shallow belonging		
	-			Ahmad	Shah	THE WALLES WHEN IN AN ANIMALIAN A		
	Agency Reps:), State		the following Local: (L),	symbols:		
	Oakland Fire Department rep.							
	Department	of Health Serv	vices rep.		100 hi com companiente de Estato, la del del como como como como como como como com			
		waganeer remaining and a said a had a had been seen and	r.u. u. u. u. u. u	m shrow the same the	and the second s	appylay		
	and the second s		mba udan - umba pupan ugapu a uuga s ter emendeen -	·		of various and which a distribute of the same		
						individual and the second seco		

2. JOB HAZARD ANALYSIS

2.1	OVERALL HAZARD EVALUATION
	Hazard Level: High () Moderate (*) Low() Unknown ()
	Hazard Type: Liquid () Solid () Sludge () Vapor/Gas 🕸
	Known or suspected hazardous materials present on site See below; gasoline vapors contain benzene, toluene, xylene,
	ethylbenzene
	Characteristics of hazardous materials included above (complete for each chemical presents):
MATERIAL #	1 Corrosive () Ignitable (X) Toxic (X)
	Reactive () Volatile (%) Radioactive ()
	Biological Agent () Gasoline vapor
•	ure Routes: Inhalation (*) Ingestion () Contact (*) Skin & mucous membrane ,
MATERIAL #	2 Corrosive () Ignitable () Toxic ()
	Reactive () Volatile () Radioactive ()
	Biological Agent ()
Expos	ure Routes: Inhalation () Ingestion () Contact ()
MATERIAL #	3 Corrosive () Ignitable () Toxic ()
	Reactive () Volatile () Radioactive ()
	Biological Agent ()
Exposu	re Routes: Inhalation () Ingestion () Contact ()
MATERIAL #	4 Corrosive () Ignitable () Toxic ()
	Reactive () Volatile () Radioactive ()
	Biological Agent ()
Fynogur	o Poutec. Inhalation () Investion () Contact ()

3.

2.2	JOB-SPECIFIC HAZARDS
	For each labor category specify the possible hazards based on information available (i.e., Task-driller, Hazards-trauma from drill rig accidents, etc.) For each hazard, indicate steps to be taken to minimize the hazard. Task - tank removal; hazard - gasoline vapor explosion
	To minimize - use 15 lb of dry ice per 1,000 gallon
	capacity_to_inert_vapor_present_in_tank
	The following additional hazards are expected on site (i.e., snake infested area, extreme heat, etc.):
	Measures to minimize the effects of the additional hazards are:
MONI	TORING PLAN
3.1	(a) Air Monitoring Plan
	Action levels for implementation of air monitoring. Action levels should be based on published data available on contaminants of concern. Action levels should be set by persons experienced in industrial hygiene.
	Level Action Taken (i.e., 5ppm) (i.e., commence perimeter monitoring)
	N/A

meth	line the specific equipment to be used, calibrationed, frequency of monitoring, locations to be itored, and analysis of samples (if applicable).
	N/A
	air monitoring is not to be implemented for this e, explain why:
	This case involves only tank removal.
	The second secon
	sonnel Monitoring
(Inc	
(Incon t	clude hierarchy of responsibilities decision making
(Incon t	clude hierarchy of responsibilities decision making the site) Safety officer advises field manager who delegates
(Incon t	clude hierarchy of responsibilities decision making the site)
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(Incon t	clude hierarchy of responsibilities decision making the site) Safety officer advises field manager who delegates responsibilities to individual team workers.
(Incon t	clude hierarchy of responsibilities decision making the site) Safety officer advises field manager who delegates responsibilities to individual team workers.

TPE SITE SAFETY

(b)	Equipments used for sampling Gastech Model 1314
	1 - Hydrocarbon super surveyor
	2 - Brass sleeve and sampler with hammer
(c)	Maintenance and calibration of equipments
	Use Hexane for calibration.
	Equipment will be calibrated prior to operation.
PERSONAI	PROTECTIVE EQUIPMENT (PPE)
	hat, protective gloves NTROL AND SECURITY MEASURES
	lowing general work zone security guidelines should
- Wo	ork zone shall be barricaded and caution tape used.
- E:	kcavations shall be closed when drilling and ampling activities are not actually taking place.
, W.	excavations shall be left unattended. Visitors
	ill not enter the work zone unless they have ttended a project safety briefing.

6.	DECONTAMINATION	PROCEDURE
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List the procedures and specific steps to be taken to decontaminate equipment and PPE.

 N/A	 	 	

7. TRAINING REQUIREMENTS

Prior to mobilization at the job site, employees will attend a safety briefing. The briefing will include the nature of the wastes and the site, donning personal protection equipment, decontamination procedures and emergency procedures.

8. MEDICAL SURVEILLANCE REQUIREMENTS

If any task requires a very high personnel protection level, personnel shall provide assurances that they have received a physical examination and they are fit to do the task. Also personnel will be instructed to look for any symptom of heat stress, heat stroke, heat exhaustion or any other unusual symptom. if there is any report of that kind it will be immediately followed through, and appropriate action will be taken.

9. STANDARD OPERATION PROCEDURES

Tank Protect Engineering of Northern California Inc. is responsible for the safety of all Tank Protect Engineering of Northern California Inc. employees on site. Each contractor shall provide all the equipment necessary to meet safe operation practices and procedures for their personnel on site and be responsible for the safety of their workers.

A "Three Warning " system is utilized to enforce compliance with Health and Safety procedures practices which will be implemented at the site for worker safety:

* Eating, drinking, chewing gum or tobacco, and smoking will be allowed only in designated areas.

- * Wash facilities will be utilized by workers in the work areas before eating, drinking, or use of the toiled facilities.
- * Containers will be labeled identifying them as waste, debris or contaminated clothing.
- * All Excavation/drilling work will comply with regulatory agencies requirement.
- * All site personnel will be required to wear hard hats and advised to take adequate measures for self protection.
- * Any other action which is determined to be unsafe by the site safety officer.

10. CONFINED SPACE ENTRY PROCEDURES

No one is allowed to enter any confined space operation without proper safety measures. Specifically in case of an excavated Tank Pit no one should enter at no time.

11. EMERGENCY RESPONSE PLAN

Fire extinguisher(s) will be on site prior to excavation. Relevant phone numbers:

Person	Title	Phone No.
Lyle Travis	Project Manager	(415)429-8088
	Fire	911 or
	Police	911 or
	Ambulance	911 or
	Poison Control Center	r (800)523-2222
	Site Phone	
	Nearest off-site no.	And the state of t
	Medical Advisor	white the property of the contract of the cont
	Client Contact	manus inglimitations in mask to accomplimation on some room property to some organizations and

U.S EPA - ERT	(201)	321-6660
Chemtrec	(800)	424-9300
Centers for Disease ControlDay	7(404) 5(404)	329-3311 329-2888
National Response Center	(800)	424-8802
Superfund/RCRA Hotline	(800)	424-8802
TSCA Hotline	(800)	424-9065
National Pesticide Information Services	(800)	845-7633
Bureau of Alcohol, Tobacco, and Firearms	(800)	424-9555

HEALTH AND SAFETY COMPLIANCE STATEMENT

I,	Lyle Travis	 	, have	received	and	read	а	сору
	the project							

I understand that I am required to have read the aforementioned document and have received proper training under the occupational Safety and Health Act (29 CFR, Part 1910.120) prior to conducting site activities at the site.

Lyl	Thomas I. Travis	June 24, 1991
Signature		Date

NEAREST HOSPITAL: ALAMEDA HOSPITAL 2070 CLINTON AVE. ALAMEDA, CA 94501

GOING EAST ON ATLANTIC AVE. PROCEEDING UNTIL WEBSTER, MAKE A RIGHT ON WEBSTER. PROCEEDING UNTIL CENTRAL AVE., MAKE A LEFT ON CENTRAL AVE. HEADING EAST ON CENTRAL MAKE A RIGHT ON WILLOW, PROCEEDING SOUTH THE HOSPITAL IS ON THE CORNER OF CLINTON AND WILLOW. HOPSITAL IS ON THE RIGHT HAND SIDE.