

The Castlewood Country Club



92 DEC 10 11:17

December 7, 1992

Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, Ca 94621

Dear Mr. Seery,

Enclosed please find the report produced by B.S.K. and Associates regarding the underground storage tank at Castlewood Country Club. We trust that all is in order, however, if there are any questions, please do not hesitate to call.

Sincerely,

A handwritten signature in cursive script that reads "John Bethe".

John Bethe
Club Manager

JB:mr

Enclosure



1181 Quarry Lane
Building 300
Pleasanton, CA 94566
(510) 462-4000
(510) 462-6283 FAX

92 OCT 27 11:38

October 26, 1992

BSK Job No. P92225.3

Mr. John Bethe
Castlewood Country Club
707 Country Club Circle
Pleasanton, CA 94566

Subject: Project Status Report
Underground Storage Tank Release Investigation
Castlewood Country Club
707 Country Club Circle
Pleasanton, California

Dear Mr. Bethe:

As requested by you during our telephone conversation of October 22, 1992, we have prepared this letter to document the present status of our investigation.

To date, the following has transpired:

Chemical tests performed on soil samples from beneath the former underground tank and from the monitoring well boring indicate no presence of hydrocarbon contaminants.

No water has been observed to enter the groundwater monitoring well partially completed to a depth of 50 feet in the access road directly downhill from the former tank location.

Potable water introduced to the well, with the permission of the Alameda County Health Department (ACEH), resulted in the demonstration of free flow from the well, indicating that groundwater was free to enter the well, if present.

Discussions with Scott Seery of the Alameda County Environmental Health Department (ACEH) regarding the preceding points have resulted in the County agreeing to the closure of the monitoring well, since the soil and groundwater conditions suggest the well is unnecessary.

Project Status Report
Underground Storage Tank Release Investigation
Castlewood Country Club
707 Country Club Circle
Pleasanton, California

BSK Job No. P92225.3
October 26, 1992
Page 2

ACEH indicated that one additional soil boring may be needed for final confirmation of soil conditions for case closure. Their decision would not be made, however, until after review of BSK's written report of findings.

If you have comments or questions regarding this report, please contact us.

Respectfully submitted,
BSK & Associates



Tim W. Berger, R.G.
Project Geologist



Alex Y. Eskandari, P.E.
Project Manager

TWB/AYE:twb
(Misc/p92225.ltr)

cc: Alameda County Environmental Health Department - Attn: Scott Seery

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY

DAVID J. KEARS, Agency Director



RAFAT A. SHAHID, ASST. AGENCY DIRECTOR

STID 1678

September 24, 1992

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

Mr. Charles Phinney
Castlewood Country Club
707 Country Club Circle
Pleasanton, CA 94566

RE: PRELIMINARY SITE ASSESSMENT PROPOSAL

Dear Mr. Phinney:

The Department has completed review of the August 18, 1992 BSK & Associates preliminary site assessment (PSA) work plan and September 23, 1992 amendment to this work plan.

Following review of these documents and conversations with the BSK project geologist, Mr. Tim Berger, the work plan, as amended, has been approved with the following modifications:

- 1) One boring will be advanced through the former tank pit to evaluate the vertical extent of soil contamination associated with the release from this tank. This boring will be advanced to a depth approximately 10 - 15 feet or further, based on the judgement of the field geologist at the time of drilling, beyond the depth where field screening techniques qualitatively identify the extent of soil contamination, or to first ground water, whichever occurs first. Sampling protocol will be consistent with the amended BSK proposal; however, an additional sample will be collected at the point of termination. This boring will not be completed as a monitoring well. No other boring will be required adjacent to the former tank pit at this time.
- 2) One boring will be advanced through or adjacent to the parking access lane, directly west and downslope from the former tank pit. This boring will be advanced into ground water, or to a depth of 50 feet below grade, whichever occurs first. Should ground water be encountered, this boring will be completed as a ground water monitoring well.

Mr. Charlie Phinney
RE: Castlewood Country Club, 707 Country Club Lane
September 24, 1992
Page 2 of 2

Please notify this office when drilling is expected to begin.
Please feel free to contact me at 510/271-4530 should you have
any questions.

Sincerely,



Scott O. Seery
Senior Hazardous Materials Specialist

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health
Gil Jensen, Alameda County District Attorney's Office
Eddy So, RWQCB
Ed Howell - files

SEP-24-92 THU 8:08 (413) 462-6283

BSK & Associates, Geotechnical Consultants, Inc.

Geotechnical Engineering • Engineering Geology • Environmental Engineering • Engineering Laboratories • Chemical Laboratories

FACSIMILE COVER SHEET

Number of Pages (including this cover sheet): 04 04
DATE: 9/23/92 TIME: 18:00

FROM

NAME: Tim Berger
BSK & Associates
1181 Quarry Lane, Bldg. 300
Pleasanton, California 94566
Phone: (510) 462-4000
FAX #: (510) 462-6283

TO

NAME: Scott Seery
COMPANY: Alameda Co. Env. Health
ADDRESS: _____
PHONE #: _____ FAX #: 568 3706
COMMENTS: _____

If you do not receive all pages, please call us as soon as possible at (510) 462-4000. Thank you.

PRELIMINARY SITE CHARACTERIZATION
UNDERGROUND STORAGE TANK RELEASE
CASTLEWOOD COUNTRY CLUB
PLEASANTON, CALIFORNIA

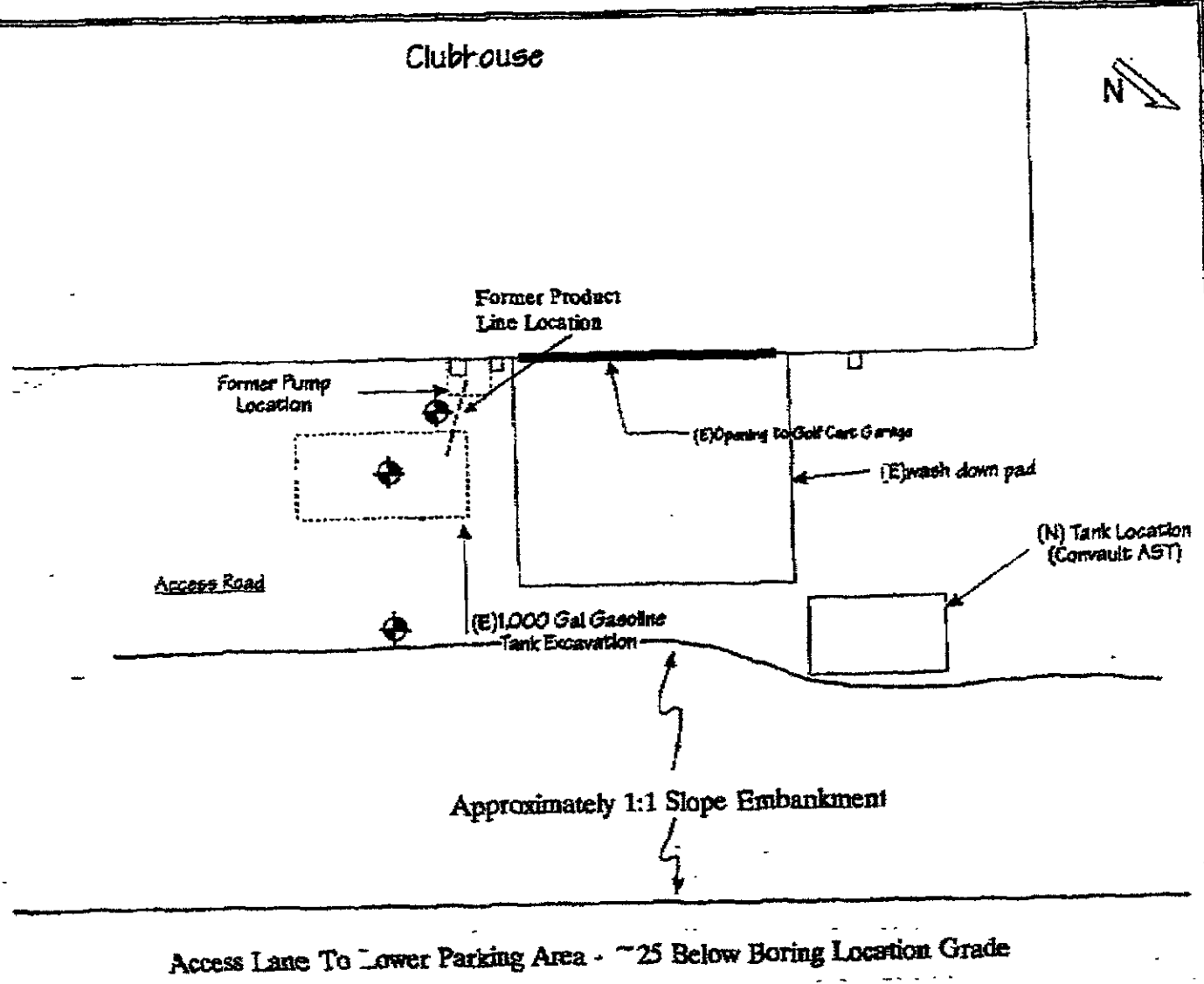
SITE PLAN
JOB NO. P92225
SEPTEMBER 1992
FIGURE: 1

BSK
ASSOCIATES

LEGEND:

 - Proposed Boring/Monitoring Well Location

Scale: 1" = 15'





1181 Quarry Lane
Building 300
Pleasanton, CA 94566
(510) 462-4000
(510) 462-6283 FAX

September 24, 1992

BSK PROPOSAL PR92216.3

~~Alameda County Health Agency~~
Division Of Hazardous Materials
Department Of Environmental Health
Room 200
80 Swan Way
Oakland, CA 94261

Attention: Scott Seery

Subject: Addendum To Our Proposal PR92216.3
Dated August 18, 1992
Preliminary Site Characterization
Underground Storage Tank Release
Castlewood Country Club
Pleasanton, California

Dear Scott:

As requested by you in our telephone conversation of September 23, 1992, I am providing here our reasoning for the proposed locations of the exploratory borings and potential monitoring well for the referenced site. In addition, and also as requested, a Site Plan of the work area and boring/well locations is attached.

As shown on the Site Plan, and described in the Proposal, three borings are planned to provide preliminary information regarding the lateral and vertical extent of gasoline contamination in the area of the former gasoline tank. The placement of the borings as shown is preliminary, with the exception of the boring in the middle of the former tank location. This boring would be performed first in order to assess the subsurface conditions with respect to contaminant horizons, groundwater depth, and soil and bedrock (if encountered) profile. Based on the findings of the first boring, the easternmost boring would be moved accordingly to a more suitable location if necessary. It would likely not be placed any closer to the tank, but may be moved to the lower access lane if conditions are suitable. The decision would likely be made in the field. The boring in the product line location would likely remain at the location shown, as it is intended to assess line leakage. The depth of this boring may be increased in concentrations of contaminant observed in the


first boring are high, and lateral information is needed. The location of the easternmost well would remain in a line from the former tank location that is orthogonal to the slope contours, as that is the direction that groundwater aided migration would be expected to be greatest.

The subsurface conditions expected at the site, and which may influence contaminant migration, are of regolith overlying steep slope colluvium, likely landslide disturbed. In-situ lithified material is not expected; although a large block may be encountered, which would be evaluated by the two accompanying borings. Groundwater is expected from 30 to 40 feet in depth, but may not be encountered. Flow direction, as previously described, would be expected to be perpendicular to slope contours. The upper 10 to 20 feet of the soil may be fill. Examined soil piles from the tank excavation indicate weathered stony sandy silt, silt and clayey silt soil in the area.

The conditions described are in keeping with a cursory review of published local geologic conditions, local experience and observations in the site area. The scale and scope of the proposed project is such that available published data regarding geology, soil and groundwater conditions are of limited use at this time.

I hope you find the attached Site Plan and this addendum to be satisfactory to you in your evaluation and approval of the work plan described in the referenced proposal.

Respectfully Submitted,
BSK & Associates



Tim W. Berger
Project Geologist

The Castlewood Country Club



September 11, 1992

Department of Environmental Health
Hazardous Materials Division
80 Swan Way, Room 200
Oakland, CA 94621

Attention: Scott Seery

Dear Mr. Seery,

Please let this letter serve as acknowledgement and receipt of the counties requests regarding the underground storage tank at Castlewood Country Club.

During August, we solicited proposals from several companies for the required work. A recommendation to contract with BSK and Associates was made to the Castlewood Board of Directors at their September 10, 1992 meeting. This recommendation was approved and we are prepared to work with the county in a timely manner in regards to this project. We trust the September 7, 1992 date for a work plan will not cause any problems since it is now September 11, 1992.

Please understand the process of soliciting bids and checking certain companies is a time consuming task.

If there are any problems please do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "John Bethe".

John Bethe
Manager

THE CASTLEWOOD COUNTRY CLUB

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY

DAVID J. KEARS, Agency Director



State Water Resources Control Board
Division of Clean Water Programs
UST Local Oversight Program

RAFAT A. SHAHID, Assistant Agency Director

July 23, 1992

STID 1678

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

Mr. Ed Washburn
Castlewood Country Club
707 Country Club Circle
Pleasanton, CA 94566

RE: UNDERGROUND STORAGE TANK CLOSURE, 707 COUNTRY CLUB CIRCLE,
PLEASANTON

Dear Mr. Washburn:

This Department has completed review of the (undated) Timmerman Engineering Construction report presenting the results of the April 23, 1992 closure of a 1,000 gallon underground storage tank (UST) at the referenced site. This UST was most recently used to store unleaded gasoline.

The cited report documents the results of laboratory analyses performed upon soil samples collected both at the time of closure and following limited vertical overexcavation of the original UST pit. The initial results indicate the presence of up to 2,830 parts per million (ppm) of total petroleum hydrocarbons characterized as gasoline (TPH-G) from sample #3, collected from native soil from below the north end of the tank. The tank was also found to have several through-going holes.

The results of chemical analyses and the observation of holes in the subject UST identify this site as having experienced an unauthorized release. An Underground Storage Tank Unauthorized Release (Leak) Report was completed April 24, 1992 when these leak indicators were first identified.

The San Francisco Bay Regional Water Quality Control Board (RWQCB) requires additional environmental investigations to be performed when unauthorized releases are discovered. Such investigations are in the form of a Preliminary Site Assessment, or PSA. The information gathered by the PSA will be used to determine an appropriate course of action to remediate the site. The PSA must be conducted in accordance with the RWQCB Staff Recommendations for the Initial Evaluation and Investigation of Underground Tanks, the State Water Resources Control Board Leaking Underground Fuel Tank (LUFT) Field Manual, and Article 11 of Title 23, California Code of Regulations.

Mr. Ed Washburn
RE: 707 Country Club Circle
July 23, 1992
Page 2 of 3

In order to proceed with a PSA, you should obtain the professional services of a reputable environmental consultant. Your responsibility is to have the consultant submit for review a PSA work plan outlining planned activities pertinent to meeting the criteria described in the referenced guidance documents. These criteria are broadly outlined in the attached **Appendix A**.

The Department, through an agreement with the RWQCB, will oversee the assessment and remediation of your site as the lead agency. Our oversight will include the review of and comment on work proposals and technical guidance on appropriate investigative approaches and monitoring schedules. The issuance of well drilling permits, however, will be through the Alameda County Flood Control and Water Conservation District, Zone 7, in Pleasanton. The RWQCB may choose to take over as lead agency if it is determined following the completion of the initial assessment that there has been a substantial impact to ground water.

The PSA work plan is due within 45 days of the date of this letter, or by **September 7, 1992**. Work should commence no later than 30 days following work plan approval.

A report must be submitted within 45 days of the completion of this phase of work at the site. Subsequent reports are to be submitted **quarterly** until this site qualifies for final RWQCB "closure." Such quarterly reports are due the first day of the second month of each subsequent quarter (i.e., November 1, February 1, May 1, and August 1).

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

- o Details and results of all work performed during the designated reporting period: 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 (including QA/QC data), tabulations of free product thicknesses and dissolved fractions, etc.
- o Status of ground water contamination and characterization
- o Interpretation of results: water level contour maps showing gradients, free and dissolved product plume definition maps for each target compound, geologic cross sections, etc.
- o Recommendations for additional work

Mr. Ed Washburn
RE: 707 Country Club Circle
July 23, 1992
Page 3 of 3

All reports and proposals must be submitted under seal of a California-registered geologist or civil engineer with the appropriate environmental background. Please include a statement of qualifications for each lead professional involved with this project.

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

Additionally, please complete the enclosed UST registration forms, required anytime USTs are removed from service. One Form A and one Form B should be filled out for each tank at each site (303 Castlewood Drive / 707 Country Club Circle). Please return these completed forms within 15 days.

Please feel free to contact me at 510/271-4530 should you have any questions.

Sincerely,



Scott O. Seery, CHMM
Senior Hazardous Materials Specialist

attachments

cc: Rafat A. Shahid, Assistant Agency Director, Env. Health
Gil Jensen, Alameda County District Attorney's Office
Eddy So, RWQCB
files

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Division Inspection Form

Site ID# _____ Site Name Castlewood C.C. Today's Date 5/27/92
 Site Address 707 Country Club Circle EPA ID# _____
 City Pleasanton Zip 94566 Phone _____

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

Inspection Categories:

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

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

I.A GENERATOR (Title 22)

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

Comments:

On-site to witness sampling of native soil following over excavation of UST pit. The pit is now approximately 13' below grade. A sample was collected at either end of the base of the excavation (2), and then on the sidewalls (E-W) at the north end of the pit, approx. 2-3 up from its base. This very approximately represents the initial depth of the original UST pit.

The north end was further deepened to approx. 15-16' below grade, as a pocket of gasoline-contaminated soil was uncovered. The entire north end was then to be extended to this depth.

I.B TRANSPORTER (Title 22)

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

Rev 6/88

Contact: Jete Tomarwan
 Title: Contractor
 Signature: _____
 Inspector: S. Seal
 Signature: _____

DAY OR NIGHT
TELEPHONE
(510) 235-1393

CERTIFICATE
CERTIFIED SERVICES COMPANY

255 Parr Boulevard • Richmond, California 94801

NO. 09675

CUSTOMER:

TIMMERMAN
JOB NO.

78393

FOR: Erickson, Inc. TANK NO. 8547

LOCATION: Richmond

DATE: 04/27/92 TIME: 10:39:45

TEST METHOD Visual Gascob/1314 SMPN

LAST PRODUCT UG

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

TANK SIZE 1000 Gallon Tank.

CONDITION SAFE FOR FIRE

REMARKS: OXYGEN 20.9%

LOWER EXPLOSIVE LIMIT LESS THAN 0.1%

"ERICKSON INC. HEREBY CERTIFIES THAT THE ABOVE NUMBERED TANK HAS BEEN

CUT OPEN, PROCESSED, AND THEREFORE DESTROYED AT OUR PERMITTED HAZARDOUS

WASTE FACILITY."

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

STANDARD SAFETY DESIGNATION

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

SAFE FOR FIRE: Means that in the compartment so designated (a) The concentration of flammable materials in the atmosphere is below 10 percent of the lower explosive limit; and that (b) In the judgment of the Inspector, the residues are not capable of producing a higher concentration 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.

REPRESENTATIVE

TITLE

INSPECTOR

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) CONTAMINATION SITE REPORT

EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I AM A DESIGNATED GOVERNMENT EMPLOYEE AND THAT I HAVE REPORTED THIS INFORMATION TO LOCAL OFFICIALS PURSUANT TO SECTION 25180.7 OF THE HEALTH AND SAFETY CODE.
REPORT DATE 04/24/92	CASE #	SIGNED: <i>[Signature]</i> DATE: 4-24-92

REPORTED BY	NAME OF INDIVIDUAL FILING REPORT SCOTT SEERY	PHONE (510) 271-4320	SIGNATURE <i>[Signature]</i>	
	REPRESENTING <input checked="" type="checkbox"/> LOCAL AGENCY <input type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER	COMPANY OR AGENCY NAME Alameda Co. Env. Health Dept.		
	ADDRESS 80 Swan Way, Rm. 200 Oakland CA 94621			

RESPONSIBLE PARTY	NAME Castlewood Country Club	CONTACT PERSON UNK	PHONE (510) 846-2871
	ADDRESS 707 Country Club Circle Pleasanton CA 94566		

SITE LOCATION	FACILITY NAME (IF APPLICABLE) AS ABOVE	OPERATOR ()	PHONE ()	
	ADDRESS STREET CITY COUNTY ZIP			
	CROSS STREET NA			

IMPLEMENTING AGENCIES	LOCAL AGENCY Alameda Co. Env. Health Dept.	CONTACT PERSON SCOTT SEERY	PHONE (510) 271-4320
	REGIONAL BOARD San Francisco Bay	CONTACT PERSON Lester Feldman	PHONE (510) 464-1255

SUBSTANCES INVOLVED	(1) Gasoline (leaded?)	QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN
	(2)	<input type="checkbox"/> UNKNOWN

DISCOVERY/ABATEMENT	DATE DISCOVERED 04/23/92	HOW DISCOVERED <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK TEST <input checked="" type="checkbox"/> TANK REMOVAL <input type="checkbox"/> OTHER	
	DATE DISCHARGE BEGAN UNKNOWN	METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> REPLACE TANK <input checked="" type="checkbox"/> CLOSE TANK <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> OTHER	
	HAS DISCHARGE BEEN STOPPED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 04/23/92		

SOURCE/CAUSE	SOURCE OF DISCHARGE <input checked="" type="checkbox"/> TANK LEAK <input type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER	CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input checked="" type="checkbox"/> CORROSION <input type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER
--------------	---	--

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

CURRENT STATUS	CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input checked="" type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY
----------------	--

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

COMMENTS
 Several through going holes discovered in tank bottom during its closure. Strong gasoline odors in native soil below tank. Over excavation to occur. PSA to be required.

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH
 Hazardous Materials Inspection Form

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

II, III

Site ID # _____ Site Name Castlewood CC Today's Date 4/23/92

II.A BUSINESS PLANS (Title 19)

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

Site Address 707 Country Club Circle
 City Pleasanton Zip 94566 Phone _____

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

Inspection Categories:

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

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

II.B ACUTELY HAZ. MATLS

- ___ 10. Registration Form Filed 25533(a)
- ___ 11. Form Complete 25533(b)
- ___ 12. RMPP Contents 25534(c)
- ___ 13. Implement Sch. Req'd? (Y/N) _____
- ___ 14. OffSite Conseq. Assess. 25524(c)
- ___ 15. Probable Risk Assessment 25534(d)
- ___ 16. Persons Responsible 25534(g)
- ___ 17. Certification 25534(f)
- ___ 18. Exemption Request? (Y/N) _____
- ___ 19. Trade Secret Requested? 25538

Comments: 3:00 - 4:00
On-site to witness closure of ~ 1,000 gallon
leaded gasoline UST.

III. UNDERGROUND TANKS (Title 23)

- General
- ___ 1. Permit Application 25284 (H&S)
 - ___ 2. Pipeline Leak Detection 25292 (H&S)
 - ___ 3. Records Maintenance 2712
 - ___ 4. Release Report 2651
 - ___ 5. Closure Plans 2670

- Monitoring for Existing Tanks
- ___ 6. Method
 - 1) Monthly Test
 - 2) Daily Vadose
Semi-annual groundwater
One time soils
 - 3) Daily Vadose
One time soils
Annual tank test
 - 4) Monthly Gndwater
One time soils
 - 5) Daily Inventory
Annual tank testing
Cont pipe leak det
Vadose/gndwater mon.
 - 6) Daily Inventory
Annual tank testing
Cont pipe leak det
 - 7) Weekly Tank Gauge
Annual tank testing
 - 8) Annual Tank Testing
Daily Inventory
 - 9) Other _____

- ___ 7. Precs Tank Test 2643
Date: _____
- ___ 8. Inventory Rec. 2644
- ___ 9. Soil Testing 2646
- ___ 10. Ground Water. 2647

- New Tanks
- ___ 11. Monitor Plan 2632
 - ___ 12. Access. Secure 2634
 - ___ 13. Plans Subml
Date: _____ 2711
 - ___ 14. As Built 2635
Date: _____

At least 3 throughgoing holes were discovered
in this tank, located on the "vent end" of
the tank. Soil from below this end of the
tank exhibited strong gasoline odors.

Soil samples were collected below both
ends of the tank. Sampled soils had
strong gasoline odors. Much of the former
backfill (sand) and some of the native
material was stained gray.

Rev 6/88

Contact: Pete Timmerman
 Title: Contractor
 Signature: _____

Inspector: S. Seely
 Signature: _____

II, III

Project Specialist (print) Scott Seay

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

423-92
418-92
ACCEPTED*
DEPARTMENT OF ENVIRONMENTAL HEALTH
470 - 87th Street, 7th Floor
Oakland, CA 94612
Telephone: (510) 874-7337

These plans have been reviewed and found to be acceptable and comply with the requirements of State and local health laws. Changes to your plans cleared by this Department are to occur in accordance with State and local laws. The project described herein is now referred for issuance of any required permits or construction.

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

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

- 423-92 Removal of Tank and Piping
- 423-92 Sampling

Final Inspection

Issuance of a permit to operate is dependent on compliance with accepted plans and all applicable laws and regulations.

THESE PLANS ARE SUBJECT TO PENALTY FOR NOT OBTAINING THESE INSPECTIONS.

* SEE CHANGED PAGES 4-5

UNDERGROUND TANK CLOSURE PLAN

* * * Complete according to attached instructions * * *

- Business Name CASTLEWOOD COUNTRY CLUB
Business Owner SAME
 - Site Address 707 COUNTRY CLUB CIRCLE
city PLEASANTON zip 94566 Phone 510-846-2871
 - Mailing Address 707 COUNTRY CLUB CIRCLE
city PLEASANTON zip 94566 Phone 510-846-2871
 - Land Owner SAME
Address _____ City, State _____ Zip _____
 - Generator name under which tank will be manifested _____
CASTLEWOOD COUNTRY CLUB
- EPA I.D. No. under which tank will be manifested CAC000681208

6. Contractor TIMMERMAN ENGINEERING CONSTRUCTION
Address P.O. BOX 4479
City WALNUT CREEK, CA 94596 Phone 510-934-4157
License Type A, HAZ ID# 561795

7. Consultant _____
Address _____
City _____ Phone _____

8. Contact Person for Investigation
Name PETER TIMMERMAN Title CONTRACTOR
Phone 510-934-4157

9. Number of tanks being closed under this plan 1
Length of piping being removed under this plan 15'
Total number of tanks at facility 1

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 N/A
Name _____ EPA I.D. No. _____
Hauler License No. _____ License Exp. Date _____
Address _____
City _____ State _____ Zip _____

b) Product/Residual Sludge/Rinsate Disposal Site N/A
Name _____ EPA I.D. No. _____
Address _____
City _____ State _____ Zip _____

c) Tank and Piping Transporter

Name ERICKSON, INC EPA I.D. No. CAD009466392
Hauler License No. 019 License Exp. Date 5/92
Address 255 PARR BLVD
City RICHMOND State CA zip 94801

d) Tank and Piping Disposal Site

Name ERICKSON, INC EPA I.D. No. CAD009466392
Address 255 PARR BLVD.
City RICHMOND State CA zip 94801

11. Experienced Sample Collector

Name PETER TIMMERMAN
Company TIMMERMAN ENGINEERING CONSTRUCTION
Address P.O. BOX 4479
City WALNUT CREEK State CA zip 94596 Phone 510-934-4157

12. Laboratory

Name PRECISION ANALYTICAL LABORATORY, INC.
Address 4136 LAKESIDE DR.
City RICHMOND State CA zip 94806
State Certification No. E-750

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

If yes, describe. _____

14. Describe methods to be used for rendering tank inert

ADDITION OF DRY ICE @ 15% per 1,000 gal TANK CAPACITY
OR PER LOCAL FIRE DEPT. REQUIREMENTS

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

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

15. Tank History and Sampling Information

Tank		Material to be sampled (tank contents, soil, ground-water, etc.)	Location and Depth of Samples
Capacity	Use History (see instructions)		
1,000	<u>LEADED GASOLINE</u>	SOIL AND GROUND WATER IF ENCOUNTERED	EACH END OF TANK @ 2' BENEATH FORMER TANK LOCATION ○ UNDER DISPENSER

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) 20 yds	Sampling Plan Single Composite sample ONE (1) DISCRETE SAMPLE PER EA. 20 YDS ³ REQUIRED FOR SOIL REUSE ON-SITE

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

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

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

Contaminant Sought	EPA, DHS, or Other Sample Preparation Method Number	EPA, DHS, or Other Analysis Method Number	Method Detection Limit
TPH G	5030	DHS/LUFT	1.0 PPM
BTXBE	8020	8020/8240	5.0 PPM
TOTAL LEAD	AA		PPM

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

18. Submit Worker's Compensation Certificate copy (also on file)

Name of Insurer State Fund

19. Submit Plot Plan (See Instructions)

20. Enclose Deposit (See Instructions)

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

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

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

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

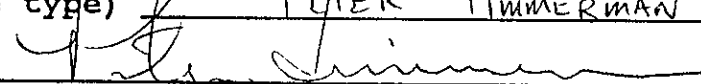
I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

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

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

Signature of Contractor 

Name (please type) PETER TIMMERMAN

Signature 

Date 3/31/92

Signature of Site Owner or Operator

Name (please type) JOHN BETHE

Signature 

Date 4/1/92

March 31, 1992

SITE SAFETY PLAN

FOR

UNDERGROUND STORAGE TANK REMOVAL

AT

CASTLEWOOD COUNTRY CLUB

707 COUNTRY CLUB CIRCLE

PLEASANTON, CA

PURPOSE AND SCOPE

The Site Safety Plan (SSP) establishes the basic safety guidelines and requirements for the removal of one 1,000 gallon gasoline tank at the Castlewood Country Club site located at 707 Country Club Circle in Pleasanton, California (see Site Location Map-Figure 1). The safety plan addresses the expected potential hazards that may be encountered during this project.

The provisions set-forth in this SSP will apply to Timmerman Engineering Construction (TEC) employees and any subcontractors working for TEC at the jobsite. All personnel working for TEC at the job must read this SSP, and sign the attached Compliance Agreement before entering the work area.

Field personnel may deviate from the safety provisions set forth in this SSP, but only to upgrade or increase the safety requirements. All modifications to this SSP require the express written approval of a TEC Office Safety Coordinator. TEC personnel may suspend work if unauthorized modifications to the safety provisions set forth in this SSP are made. If changes in site or working conditions require changes in safety procedures, appropriate amendments to this SSP will be provided by the TEC Project Manager.

I. FACILITY BACKGROUND / WORKPLAN

SITE DESCRIPTION AND HISTORY:

Based on available information, there is one 1,000 gallon gasoline UST (see attached drawings). Piping appears to run from the tank to a single dispenser (approx. 10').

There are no wells on site.

Soil and Groundwater Contamination

There are no known hazardous materials in the site soils or groundwater.

WORK ACTIVITIES:

TEC will remove, transport and properly dispose of the tank and contents as well as collect and analyze appropriate soil samples.

II. KEY SAFETY PERSONNEL AND RESPONSIBILITIES

All personnel working for TEC at the job site are responsible for project safety. The operational and health and safety responsibilities of pertinent TEC personnel are identified below.

Safety Officer: Mr. Peter Timmerman

The Safety Officer is responsible for establishing and directing the TEC Health and Safety program. In this capacity, he sets policies with respect to SSPs and ensures that the requirements are implemented company-wide. Mr. Timmerman can be reached at (510)934-4157.

Project Manager: Mr. Peter Timmerman

The Project Manager is responsible for the provisions and submittal of this SSP to the Site Safety Officer and for advising the Site Safety Officer on health and safety matters. He has the authority to provide for the auditing of compliance with the provisions of this SSP, suspend or modify work practices, and to recommend disciplinary action for individuals whose conduct does not meet the provisions presented in this SSP. Mr. Timmerman can be reached at (510)934-4157.

Site Safety Officer: Mr. Peter Timmerman

The Site Safety Officer is responsible for the dissemination of the information contained in this SSP to all TEC personnel working at the job site, and to the responsible representative(s) of each subcontractor firm working for TEC at the job-site.

The Site Safety Officer is responsible for ensuring the following items are adequately addressed:

- Safety supplies & equipment inventory
- Training programs/Hazard communication
- Accident/Incident reporting procedures
- Decontamination /Contamination Reduction Procedures

The Site Safety Officer has the authority to suspend work anytime they determine the safety provisions set-forth in this SSP are inadequate to ensure worker safety. The Site Safety Officer shall also inform the Project Manager of the individuals whose conduct does not meet the safety provisions of this SSP. The Site Safety Officer reports to the Project Manager.

Mr. Peter Timmerman has served as Site Safety Officer for various projects involving work in hazardous waste sites. He has completed forty hours of basic training and 8 hours supervisory training as well as annual refresher updates for hazardous waste site work in compliance with OSHA standard 29 CFR 1910.120.

III. JOB HAZARD ANALYSIS / SITE CHARACTERIZATION

CHEMICAL HAZARDS:

The only chemical which may be encountered at the site is gasoline. A summary of relevant chemical, physical and toxicological properties for gasoline is detailed below.

Gasoline

Gasoline is an orange to bronze clear, watery liquid with a characteristic odor. It is a relatively volatile chemical (vapor pressure = 5-15 mm Hg @ 100° F) which could possibly be present in soils in both the liquid and vapor form. This product contains benzene, n-hexane, toluene, xylene and lead alkyl.

Ingestion of gasoline or inhalation of gasoline vapors at airborne concentrations exceeding 1000 ppm may cause signs and symptoms of central nervous system depression such as headache, dizziness, loss of appetite, weakness and loss of coordination. Vapor concentrations in excess of 5000 ppm may cause loss of consciousness, coma and death. Intentional exposures to excessively high concentrations have been reported to result in clinical manifestations that may include convulsions, delirium and hallucinations. These manifestations are not known to occur following accidental inhalation of vapor or skin contact with gasolines during normal operations. Brief exposures to high vapor concentrations may also cause pulmonary edema and bronchitis.

This product may contain up to 4.9% benzene. Repeated or prolonged breathing of benzene vapors has been associated with the development of chromosomal damage in experimental animals and various blood diseases in humans ranging from aplastic anemia to leukemia (a form of cancer). All of these diseases can be fatal. The International Agency for Research on Cancer (IARC) listed benzene in Group 1, chemicals carcinogenic to humans.

This product contains n-hexane. Prolonged or repeated contact with n-hexane may produce peripheral neuropathy characterized by progressive weakness and numbness in the extremities, loss of deep tendon reflexes and reduction of motor nerve

conduction velocity. Recovery ranges from no recovery to complete recovery depending upon the duration of exposure and the severity of the nerve damage.

This product contains toluene. Toluene has been reported to decrease immunological responses in test animals. It has also been reported that when young rats were exposed to 1000 ppm toluene for 14 hours daily, for two weeks, irreversible hearing loss was detected. The same daily exposure to 700 ppm for as long as 16 weeks was without effect. Since the level necessary to produce hearing loss is greater than 7 times the 1985-86 ACGIH TLV for toluene, worker exposures at or below 100 ppm is not expected to cause any adverse effect.

This product contains xylene. Xylene has been reported to be embryotoxic, teratogenic and to cause development disturbances in rats exposed in utero.

Gasoline can enter the body through all three routes of exposure: (1)inhalation; (2)adsorption; and (3)eye or skin contact. Target organs are the respiratory system, heart, liver, kidneys, central nervous system and skin. Acute exposure effects include stinging, tearing and redness of the eyes, redness, drying and cracking of the skin, headache, drowsiness, dizziness, loss of coordination, and fatigue.

This material is a possible skin cancer hazard based on repeated long-term skin application of similar petroleum hydrocarbons in laboratory animals.

The potential for exposure to the above chemical hazard is addressed below:

(a) During the removal work, the potential for exposure to liquids and vapors from gasoline potentially present in soil exists. However, the concentrations and vapor pressures of these contaminants are such that the airborne concentrations of the contaminants will not exceed permissible exposure limits or threshold limit values. A Sensidyne vapor pump with indicator tubes will be used to measure contaminant levels whenever holes or trenches are open. Fitted respiratory protective devices with organic vapor cartridges shall be available to workers in the event respiratory protection is needed.

(b) Ingestion of contaminants will be controlled by prohibiting eating, drinking, smoking and chewing in the work area. In addition, the workers shall wash their hands and face before engaging in any of the above activities.

(c) Adsorption of contaminants will be controlled by requiring workers to wear long sleeved uniforms, chemically protective inner and outer gloves and safety glasses.

FIRE HAZARDS:

The potential for fire or explosion exists whenever flammable liquids or vapors are present above LEL concentrations and sufficient oxygen is present to support

combustion. This potential fire hazard is addressed below.

Gasoline is flammable and may be ignited by heat, sparks, flame or other sources of ignition (e.g. static electricity, pilot lights, mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they may ignite, flashback or explode. Vapors are heavier than air and may accumulate in low areas.

During the work on the tank, electrical systems, etc., all sources of ignition, electrical power tools, smoking, etc., will be confined to at least 25 feet from any flammable liquid or vapor.

PHYSICAL HAZARDS:

The potential physical hazards expected at the job site are addressed below.

(a) The potential for physical injury exists from the operation of heavy excavating equipment. Use of steel-toed boots, safety glasses and when overhead hazards exist, hard hats will be required when in the work area.

(b) Personnel should be cognizant of the fact that when protective equipment such as respirators, gloves, and/or protective clothing are worn, visibility, hearing and manual dexterity are impaired.

(c) Lifting hazards associated with the handling of awkward equipment, piping and other objects.

HEAT STRESS:

The anticipated weather conditions for this project are sunny skies with moderate temperatures. Though not anticipated, the potential for heat stress is present. Some signs of heat stress are detailed below:

(a) Heat rash may result from continuous exposure to heat or humid air.

(b) Heat cramps are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include muscle spasms, heavy sweating, dizziness, nausea and fainting.

(c) Heat exhaustion occurs from increased stress on various body organs including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms include pale, cool, moist skin, heavy sweating, dizziness, nausea and fainting.

(d) Heat stroke is the most serious form of heat stress. Temperature regulation fails and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury or death occurs. Competent medical help must

be obtained. Signs and symptoms are red, hot unusually dry skin, lack of or reduced perspiration, nausea, dizziness and confusion, strong, rapid pulse and coma.

Preventing heat stress is particularly important because once someone suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat injuries.

IV. JOB HAZARD SUMMARY

In summary, the expected potential hazards to personnel working in the work area are:

- (1) overexposure to chemical contaminants
- (2) physical injury from equipment
- (3) heat stress
- (4) lifting hazards
- (5) electrical shock

As described in Section III-Job Hazard Analysis, these potential hazards have been mitigated for the protection of both worker health and safety. The proposed work does not appear to present any potential health risk to workers, the surrounding community or the environment.

V. PERSONNEL PROTECTIVE EQUIPMENT

Level D personnel protection equipment is expected to be the highest protective level required to complete the field activities for this project. Modified Level C or higher protection may also be required depending upon the results of organic vapor monitoring. The following lists summarize the personal protective equipment that shall be available to all field personnel working in the work area:

Level D Protection:

- Boots, steel toed
- Safety glasses
- Hard Hat
- Chemically resistive inner and outer gloves
- Long Sleeve uniform

Modified Level C Protection:

- Half face air purifying respirator with organic vapor cartridges.

VI. SITE CONTROL

The work areas shall be marked off with barricades, caution tape, and where appropriate, temporary fencing.

VII. DECONTAMINATION MEASURES

Field personnel shall wash hands and face before entering a clean area.

VIII. GENERAL SAFE WORK PRACTICES

The project operations shall be conducted with the following minimum safety requirements employed:

- Eating, drinking and smoking shall be restricted to a designated clean area.
- The Site Safety Officer shall be responsible to take necessary steps to ensure that employees are protected from physical hazards, which could include:
 - lifting hazards
 - falling objects such as tools or equipment
 - tripping over tools or equipment
 - slipping on wet or oily surfaces
 - insufficient or faulty protective equipment
 - noise
 - lock out/tag out of equipment being serviced
- All personnel shall wash hands and face before eating, drinking or smoking.
- Field personnel shall be cautioned to inform each other of non-visual effects of the presence of toxins, such as:
 - headaches
 - dizziness
 - nausea
 - blurred vision
 - cramps
 - irritation of eyes, skin or respiratory tract
 - changes in complexion or skin discoloration
 - changes in apparent motor coordination
 - changes in personality or demeanor
 - excessive salivation or changes in pupillary response
 - changes in speech ability or pattern

-Field personnel shall be cautioned to observe each other for any of the symptoms of heat stress. A detailed description of the symptoms of heat stress is presented in Section III.

IX. SANITATION

Toilet, potable water and washing facilities are available inside the Castlewood Country Club facility.

X. STANDARD OPERATING PROCEDURES

Because no activities for this project have been standardized, this section of the site safety plan has been omitted.

XI. EMERGENCY RESPONSE PLAN

In the event of an accident resulting in physical injury, first aid will be administered and the injured worker will be transported to Valley Memorial Hospital for emergency treatment. The route to the hospital is shown in figure 1.

In the event of a fire or explosion, emergency notification of local response agencies shall be done by dialing 9-1-1. The TEC project manager and Office Safety Coordinator shall also be notified.

Emergency Telephones Numbers:

Fire and Police	911
Valley Memorial Hospital-1111 E. Stanley Blvd. Livermore, CA	(510)447-7000

Directions to Hospital

- (1)Castlewood Dr. east becomes Sunol Blvd.
- (2)turn right at Stanley Blvd. (approx. 1 mile)
- (3)follow to 1111 E. Stanley Blvd., Livermore (approx.6 miles)
- (4)on the right side of the street

A fire extinguisher will be located on-site during all activities.

All cases where an accident has occurred will require filling out an incident/report and submitting it within 48 hours of the accident.

XII. TRAINING REQUIREMENTS

All site personnel will be required to have completed the 40 hours of basis OSHA-SARA training for personnel assigned to hazardous waste sites in compliance with OSHA Standard 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response, and all are required to participate in the annual OSHA 8 hour refresher courses.

This formal training is supplemented by daily tailgate safety meetings and site specific training as required.

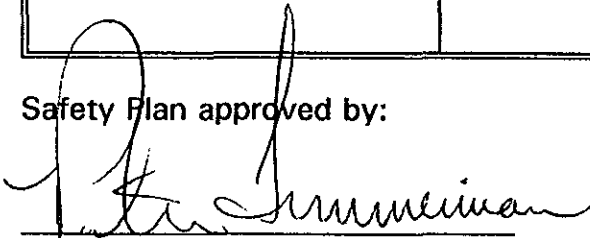
COMPLIANCE AGREEMENT

I have read this Site Safety Plan and fully understand the hazards associated with the work to be done at Castlewood Country Club, 707 Country Club Circle, Pleasanton, California.

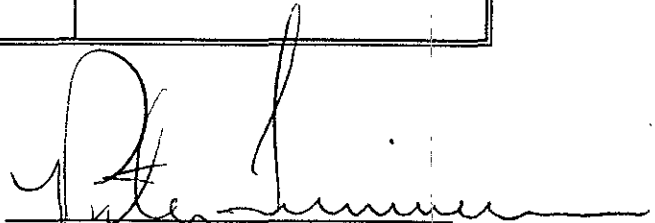
I will fully implement and comply with the minimum safety requirements set-forth in the Site Safety Plan, I agree to implement all the requirements of this Site Safety Plan. I agree to notify the responsible employee of TEC should any unsafe acts be witnessed by me while I am on this site.

Print Name	Signature	Date

Safety Plan approved by:



Office Safety Coordinator



Project Manager

Clubhouse



(E) Gasoline Pump
(to be removed)

(N) Fire Extinguishers

(N) Emergency
Shutoff Switch

(E) Opening to Golf Cart Garage

Access Road

(E) 1,000 Gal Gasoline
Tank (to be removed)

(N) Tank Location
(Convault AST)

TIMMERMAN ENGINEERING CONSTRUCTION

Contractors License No. 561795 A, HAZ

675 Ygnacio Valley Rd., Suite B-211/P.O. Box 4479
Walnut Creek, CA 94596 (510)934-4157 FAX (510)934-1823

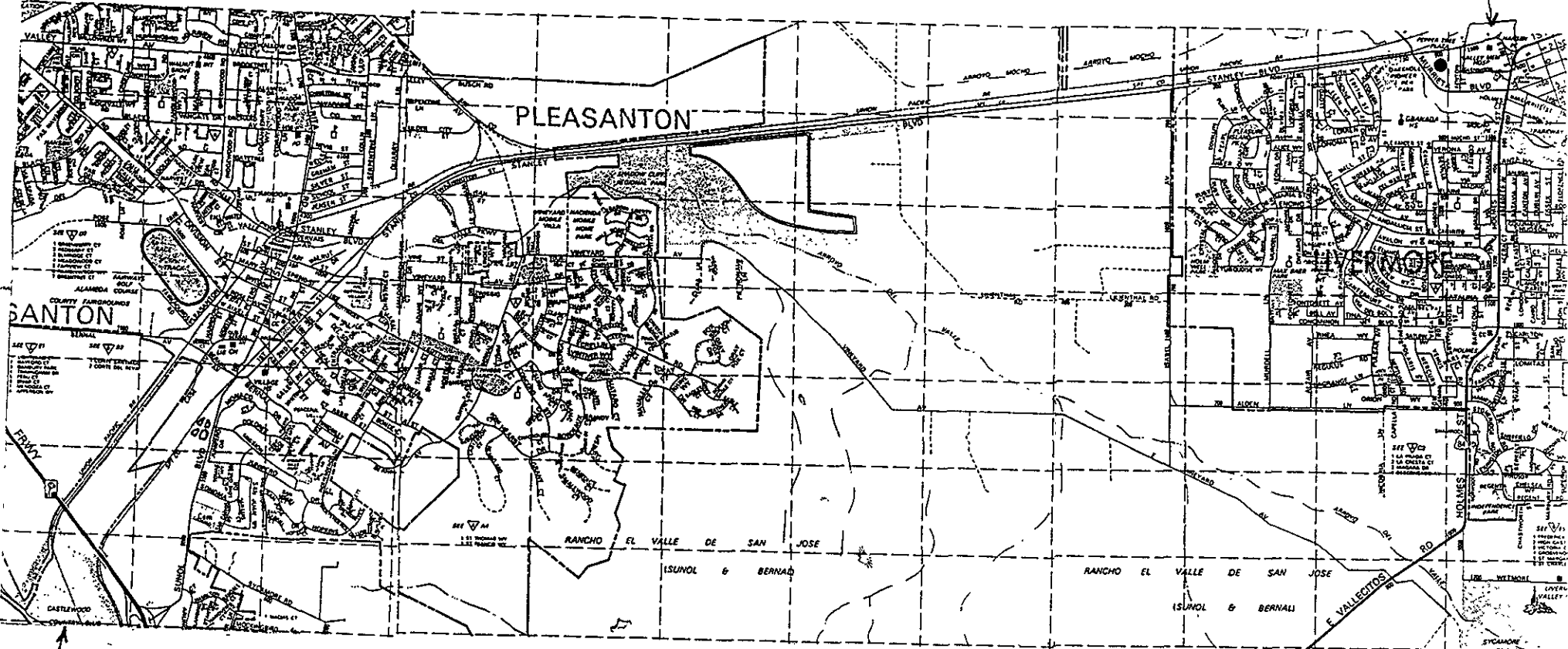
Castlewood Country Club
707 Country Club Circle, Pleasanton, CA

Underground Storage Tank Removal

March 31, 1992

Scale: 1"=15'

VALLEY
MEMORIAL
HOSPITAL



JOB SITE

Fig. 1

**STATE
COMPENSATION
INSURANCE
FUND**

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

CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

FEBRUARY 27, 1992

POLICY NUMBER
CERTIFICATE EXPIRES

1112314 - 01
12-1-92

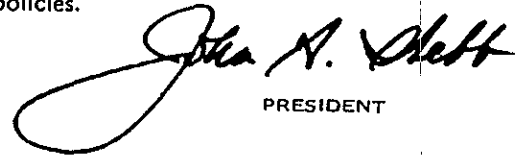
┌
COUNTY OF ALAMEDA
DEPT. OF ENVIRONMENTAL HEALTH/HAZARDOUS MATERIAL
30 SWAN WAY, ROOM 200
OAKLAND, CA 94612

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

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

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

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


PRESIDENT

EMPLOYER

┌
PETER TIMMERMAN
TIMMERMAN ENGINEERING CONSTRUCTION
P.O. BOX 4479
WALNUT CREEK, CA 94596

white -env.health
 yellow -facility
 pink -files

ALAMEDA COUNTY, DEPARTMENT OF ENVIRONMENTAL HEALTH

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

Hazardous Materials Inspection Form

II, III

Site ID # _____ Site Name Castlewood CC Today's Date 4/23/92

Site Address 707 Country Club Circle

City Pleasanton Zip 94566 Phone _____

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

Inspection Categories:

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

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

Comments: 3:00 - 4:00
On-site to witness closure of ~ 1,000 gallon
leaded gasoline UST.

At least 3 throughgoing holes were discovered
in this tank, located on the "vent end" of
the tank. Soil from below this end of the
tank exhibited strong gasoline odors.

Soil samples were collected below both
ends of the tank. Sampled soils had
strong gasoline odors. Much of the former
backfill (sand) and some of the native
material was stained gray.

II.A BUSINESS PLANS (Title 19)

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

II.B ACUTELY HAZ. MATLS

- 10. Registration Form Filed 25533(a)
- 11. Form Complete 25533(b)
- 12. RMPP Contents 25533(c)
- 13. Implement Sch. Req'd? (Y/N) _____
- 14. OffSite Conseq. Assess. 25524(c)
- 15. Probable Risk Assessment 25534(d)
- 16. Persons Responsible 25534(g)
- 17. Certification 25534(i)
- 18. Exemption Request? (Y/N) 25536(b)
- 19. Trade Secret Requested? 25538

III. UNDERGROUND TANKS (Title 23)

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

Rev 8/88

Contact: Pete Timmerman
 Title: Construction
 Signature: _____

Inspector: S. Flynn
 Signature: _____

II, III

TIMMERMAN
ENGINEERING
CONSTRUCTION

Tank Installation/Removal
Precision Testing
Monitoring Installation
Electrical
Repairs/Maintenance

Peter Timmerman

2570 Cloverdale Avenue, #14
Concord, CA 94518

(510) 689-7703
FAX (510) 689-4295
Cal. License No. 561795