FAST-TEK
Engineering Support Services
drilling • excavating • in-situ technologies

589008, A, B, C-57, Haz., Asb

247 B Tewksbury Avenue
Pt. Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail: augerpro@aol.com

STID 5406
9/19/97 talked to Cliff Duerport
OK'd to install replacement well MW-1A - revise
1) clean up nos. - pg 4
2) pg 3 - no need to collect soil samples (backfill material)
3) pg 2 - 4th and how former was constructed & include the site map the location

September 15, 1997

Ms. Susan Hugo
Alameda County Health Care Services Agency
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, Room 250
Alameda, CA 94502-6577

RE: Groundwater Monitoring Well Installation Workplan
Site: Former Standard Brands Paint Company Retail Store # 147
4343 San Pablo Avenue
Emeryville, California

Dear Ms. Hugo:

FAST-TEK Engineering Support Services (FAST-TEK) has been retained by Keeper Properties, LLC (Client) to install one groundwater monitoring well in the vicinity of an underground storage tank (UST) excavation at 4343 San Pablo Avenue, Emeryville, California (Site) (Figures 1 and 2).

BACKGROUND

Various investigations have been conducted at the site. In 1995, Environ recorded a magnetic anomaly in the northeast corner of the site. McLaren/ Hart subsequently probed the area of the anomaly and determined that an underground storage tank (UST) was present at that location. In June 1997, McLaren/ Hart submitted a report describing investigations and risk assessment findings of the remainder of the site; the report recommended that the UST be removed. The ACDEH granted no further action status to the site, and indicated site closure would be appropriate after completion of tank closure in accordance with Title 23 requirements and one year of quarterly monitoring of groundwater monitoring well MW-3.

In July 1997, FAST-TEK began removal of the UST and it was determined that contaminated soils were present at the site that would require remediation. Soils were excavated and later disposed at a class III landfill. During the excavation activities, three additional USTs were discovered and removed by FAST-TEK. As excavation activities progressed, it became necessary to destroy onsite groundwater monitoring well MW-1 so that excavation of contaminated soils could proceed where the well was located. It was determined by ACDEH that installation and monitoring of one groundwater monitoring well would be necessary to achieve closure of the USTs. The one additional well would be placed in a hydraulically down-gradient location from the former UST #1 and monitored for two quarters. Assuming that the groundwater had not been significantly impacted by the onsite release, tank closure would then be provided.

SCOPE OF PLANNED ACTIVITIES

FAST-TEK will drill one boring to approximately 15 feet below ground surface (bgs) with a hollow stem auger rig and complete the boring as a groundwater monitoring well. FAST-TEK proposes to install groundwater monitoring well MW-1A slightly within the boundary of the excavated area and hydraulically down-gradient from the former location of UST #1. Monitoring Well MW-1A would be installed within the former excavation down-gradient from a groundwater barrier which was installed before the excavation was backfilled. Placement of the well within the backfilled area is designed to determine whether groundwater has been impacted by the onsite release. The groundwater barrier is designed to ensure that potentially contaminated groundwater resulting from a suspected off-site release is not attributed to the on-site release. Well placement as described herein would ensure that the well is hydraulically separate from suspected off-site contamination and is also designed to sample groundwater that has been in contact with a maximum surface area of remediated soils. It is anticipated that due to the semi-confined nature of the water table and to a hydraulic head differential between backfill and surrounding soil, well placement outside the excavation would only result in collection of samples of groundwater that originated in the backfill as a result of the differential. Figure 2 shows the location of the proposed groundwater monitoring well and the 2 existing site monitoring wells (MW-2 and MW-3).

placed on North side of disturbed compacted

Depth to water measurements will be obtained from all three groundwater monitoring wells. Groundwater monitoring wells MW-1A and MW-3 will be sampled for different constituents to meet different sampling objectives. The wells will be purged of approximately 3 well volumes prior to being sampled following regulatory guidelines. Groundwater samples will be collected from the two wells for the first monitoring event. A report describing the well installation and first quarterly sampling results will be submitted to ACDEH.

PERMITTING

A groundwater monitoring well construction permit (number 97WR104) has been obtained from the Alameda County Public Works Agency. Underground utilities were located by Underground Service Alert (USA) prior recent field activities.

SITE SAFETY PLAN

A Site Safety Plan (SSP) for this work will be prepared and will be onsite during all field activities. All persons working in the exclusion zone and the contamination reduction zone will be familiar with the SSP and will be required to comply with its provisions.

FIELD ACTIVITIES

Groundwater Monitoring Well Installation

Field work will proceed following approval of the workplan by the ACDEH. FAST-TEK will supervise the drilling of one soil boring to approximately 15 feet bgs, the exact depth will be depend on field conditions. The drilling will be done by a California licensed driller. Logging of soils encountered will be performed by a geologist under the direct supervision of a California-Registered Geologist using the Unified Soils Classification System (USCS) ASTM-D2488. The geologist will supervise the drilling activities, collect soil samples and document field activities. Soil samples will be collected at five-foot intervals from the boring using a California split spoon sampler with stainless steel liners for lithologic and hydrogeologic characterization. Soil cuttings will be contained in 55 gallon DOT Drums pending laboratory analytical results.

The boring will be drilled to approximately 15 feet bgs before being converted into a monitoring well. The well materials will consist of 2-inch diameter, schedule 40 PVC screen and riser with a silica #2/12 sand pack and sealed with at least 1 foot of hydrated bentonite pellets above the sand pack. Neat cement grout will be placed above the bentonite seal and the well will be completed with a traffic-rated cover set in concrete. After allowing an appropriate waiting period to allow cement to cure, the well will be developed by surging, followed by purging with a down hole pump to remove turbidity. A licensed surveyor will survey the top of the well casing of the new well and two on-site wells. The well will be surveyed within 0.01 foot accuracy horizontally, and vertically relative to sea level to allow calculation of groundwater flow direction and gradient. A general well construction diagram is attached.

Groundwater Monitoring Well Sampling

Prior to groundwater sampling, each well will be purged by pumping a minimum of three well casing volumes of groundwater while taking measurements of pH, temperature, and electrical conductivity between each well casing volume. The wells will be considered stabilized and ready for sampling when two subsequent measurements of these three parameters are within 10% of each other. Groundwater samples will be collected using a 1.5-inch diameter disposable bailer and new nylon string, and decanted into labeled, laboratory supplied bottles.

In order to reduce the loss of volatile hydrocarbons, samples for TPH-g and BTEX analysis will be dispensed from the bailer into labeled 40-milliliter VOA vials. The VOA vials will be filled completely, leaving no head space. The samples will then be stored in a refrigerated environment and transported under chain-of-custody control to a California state certified laboratory. FAST-TEK's standard operating procedures for well sampling are attached.

LABORATORY ANALYSES

For the initial sampling event, one groundwater sample each will be collected from monitoring wells MW-1A and MW-3. The sample collected from MW-1A will be

analyzed for TPH-g by EPA Method 8015, BTEX by EPA Method 8020, and for organic lead per CA Title 22, Chapter 11, Appendix XI. Groundwater monitoring well MW-3 will be sampled for Total Petroleum Hydrocarbons as mineral spirits by EPA modified method 8015, Naphthalene by EPA method 8270, and for volatile organic compounds by EPA method 8010. All samples will be analyzed by a state certified laboratory.

REPORT

A written report documenting the description of field activities, groundwater monitoring well installation, and groundwater monitoring will be prepared following regulatory report preparation guidelines. The report will include a boring log, laboratory reports, tabulated contaminant and groundwater data, site and well location maps, chain-of-custody forms, and laboratory quality control documents. Recommendations, as appropriate, will be included in the report's cover letter.

For purposes of preliminary evaluation, no significant impact on groundwater at MW-1A will be demonstrated if measured concentrations of the BTEX constituents are below MCLs, ~~MTBE~~ concentrations are below 33 mg/l, and TPHg is less than 50 mg/l.? ppb Pb 5 ppb?

September sample

If you have any questions or concerns please do not hesitate to call at (510) 232-2723-230.

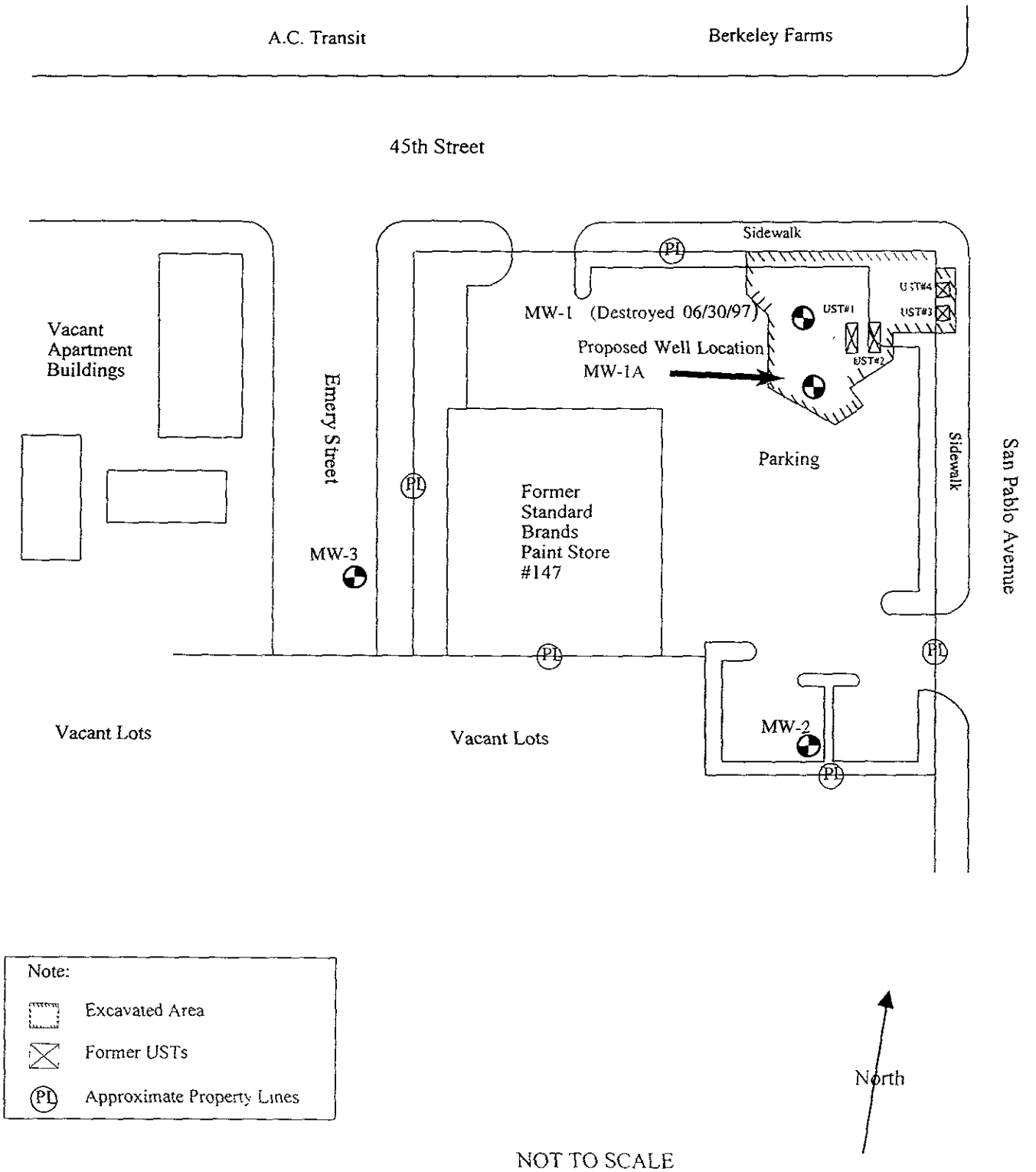
Sincerely,

Paul E. Jones
Project Geologist

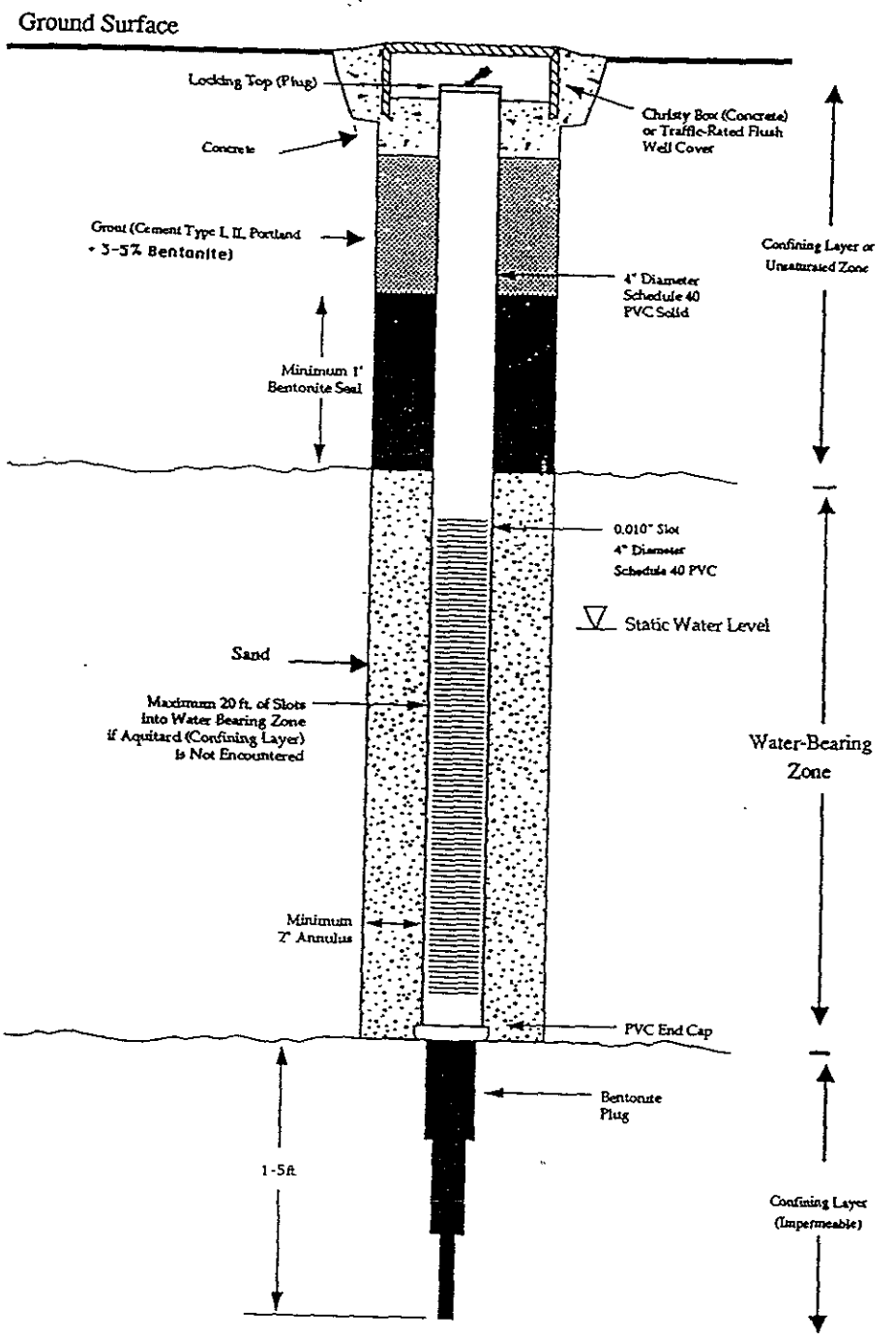
attachments

cc: Mr. Lyman K. Lokken, Keeper Properties, LLC
Mr. Clifton Davenport, Davenport & Associates

Attachment A: Figures



FAST-TEK ENGINEERING SUPPORT SERVICES 247B Tewksbury Aveune Point Richmond, California 94801 Phone (510) 232-2728 Fax (510) 232-2823		**Site Map** Former Standard Brands Paint Company 4343 San Pablo Avenue Emeryville, California	
Project No.: 301-001-02F	Date: 9/10/97	Prepared by: E. Chan	Figure 2



NOT TO SCALE

		Generalized Well Construction Details	
		Drawn by: OPJ	Figure No.

Attachment B: Standard Operating Procedures

FAST-TEK Engineering Support Services
247B Tewksbury Avenue • Point Richmond, California 94801 • 510.232-2728 • FAX 510.232-2823

GROUNDWATER MONITOR / EXTRACTION WELL INSTALLATION AND DEVELOPMENT

WELL INSTALLATION

The boreholes for monitor / extraction wells are drilled using a truck-mounted hollow-stem auger drill rig. The diameter of the borehole is a minimum of four inches larger than the outside diameter of the casing when installing the well screen (DWR Publication 74-81). The hollow-stem auger provides minimal interuption of drilling while permitting soil sampling at the desired intervals. All wells are installed by state-licensed drillers.

The monitor / extraction wells are cased with threaded, factory-slotted, blank schedule 40 polyvinyl chhloride (PVC). The perforated interval consists of slotted casing, generally 0.020-inch wide by 1.5-inch long slot size, with 42 slots per foot. A threaded PVC cap is fastened to the bottom of the casing. Centering devices may be fastened to the casing to assure even distribution of filter material and grout within the borehole annulus. The well casing is thoroughly washed and steam-cleaned prior to installation.

After setting the casing inside the hollow stem, sand or gravel filter material is poured into the annular space to fill from the bottom of the boring to 1 foot above the slotted interval. A 1 to 2 foot thick bentonite plug is placed above the filter material to prevent the grout from infiltrating down into the filter material. Neat cement, containing about 5% bentonite, is then tremied into the annular space from the top of the bentonite plug to the surface. A lockable PVC cap is placed on each wellhead. Traffic-rated flush-mounted steel covers are installed around wellheads for wells in parking lots and driveways, while steel stove pipes are usually set over wellheads in landscaped areas.

WELL DEVELOPMENT

After installation, the wells are thoroughly developed to remove residual drilling materials from the wellbore, and to improve well performance by removing any fine material in the filter pack that can pass from the formation into the well. Well development is performed in accordance with California Regional Water Quality Control Board (RWQCB) procedures described in the *Leaking Underground Fuel Tank (LUFT) Field Manual*, the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites* , and local regulatory guidelines. Well development techniques include pumping, bailing, surging, swabbing, jetting, flushing, and airlifting. During well development from three to ten well volumes are evacuated from the well, allowing pH, specific conductivity, temperature and sediment content of the water to stabilize. All development water and rinseate is collected for temporary storage in labeled 55-gallon containers or proper storage tanks, and is then disposed of properly depending on analytical results. To assure that cross-contamination does not occur between wells during drilling and development, all development equipment is either steam cleaned or cleaned using Alconox and rinsed twice with dionized water.

Artesian Environmental Consultants

Standard Operating Procedures

MONITORING WELL SAMPLING

Prior to groundwater sampling, initial water level and floating liquid hydrocarbon measurements are recorded for each well. Each well is sounded for depth to ascertain if silting has occurred and to verify the actual depth below ground surface. These measurements are used to calculate the volume for each well. At this time, all non-dedicated pumping and sampling supplies are washed with an Alconox solution, rinsed with clean water, and final rinsed with either distilled or deionized water to prevent any cross contamination from other sampling events.

Each well is purged by evacuating a minimum of three well-casing volumes of groundwater from the well. The well water may be evacuated either by bailing, or pumping. Any of the following may be used for bailing: a dedicated pvc bailer, sterile disposable polyethylene bailer, or a stainless steel bailer. For pumping the groundwater out of the well, a downhole impeller type pump (dedicated or removable with PVC tubing), a downhole dedicated bladder pump, or a surface peristaltic pump is used.

After three to four well volumes are pumped, each well is permitted to recharge to at least 80% of original capacity or for two hours; whichever occurs first. The water is then measured to verify whether the well has stabilized. Stabilization is determined by measuring the parameters of pH; temperature; and electrical conductivity. Stabilized measurements indicate that formation water has entered the well. When two subsequent measurements of these three parameters are within 10% of each other, the well is considered stabilized and is ready to be sampled.

The samples are collected using a new polyethylene bailer with a bottom siphon and nylon cord. The bailers are disposable, and therefore, never reused. The groundwater sample is visually inspected for the presence of free product in the sampling bailer. Agitation is minimized during sample retrieval to prevent aeration during the transfer from the well to the laboratory prepared sample containers. Duplicate water samples are collected from the well and siphoned into three, 40 ml, VOA, septum top vials, with additional 950 ml samples collected in an amber glass bottles or polyethylene bottles depending on the analyses to be performed. The VOA vials are filled completely, leaving no headspace, and are sealed with Teflon-lined lids. All samples are labeled, chilled to 4° C in an ice chest, and sent to a California State Certified hazardous materials testing laboratory under chain-of-custody documentation .

All groundwater samples are collected in accordance with California Regional Water Quality Control Board (RWQCB) procedures described in the *Leaking Underground Fuel Tank (LUFT) Field Manual*, the *Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites*, and local regulatory guidelines.

Standard Environmental Protection Agency (EPA), San Francisco Bay Regional Water Quality Control Board (SFBRWQCB), and Department of Health Services (DHS) methodologies for sampling and analyses are routinely utilized.

Chain of Custody documentation accompanies all samples to the laboratory. A copy of the Chain of Custody documentation is attached to the Certificate of Analysis.

Monitor well purge water is properly stored and labeled on site in DOT 17-H containers pending off site disposal.

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

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☐ NO

REPORT DATE: 07/16/97

CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED: Susan J. Hugo DATE: 7/24/97

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Paul E. Jones
PHONE: (510) 232-2728
SIGNATURE:

REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER
COMPANY OR AGENCY NAME: FAST-TEK Engineering Support Services
ADDRESS: 247B Tewksbury Avenue, Point Richmond, CA 94801
(STREET / CITY / STATE / ZIP)

RESPONSIBLE PARTY

NAME: Standard Brands Paint Co. c/o Solon Asset Management ☐ UNKNOWN
CONTACT PERSON: Deborah Midanek
PHONE: (510) 988-7110
ADDRESS: 1981 N. Broadway, Suite 325, Walnut Creek, CA 94596
(STREET / CITY / STATE / ZIP)

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Standard Brands Paint Co.
OPERATOR:
PHONE: ( )
ADDRESS: 4343 San Pablo Avenue, Emeryville, CA
(STREET / CITY / COUNTY / ZIP)
CROSS STREET: 45th Street

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: Alameda County Department of Environmental Health
CONTACT PERSON: Susan Hugo
PHONE: (510) 567-6700
REGIONAL BOARD
PHONE: ( )

SUBSTANCES INVOLVED

(1) NAME: Gasoline — QUANTITY LOST (GALLONS): ☒ UNKNOWN
(2) ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 07/10/97
HOW DISCOVERED: ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER
DATE DISCHARGE BEGAN: ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☒ YES ☐ NO IF YES, DATE: 07/10/97
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY): ☒ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☒ TANK LEAK ☐ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☒ CORROSION ☐ UNKNOWN ☐ OTHER

CASE TYPE

CHECK ONE ONLY: ☐ UNDETERMINED ☒ SOIL ONLY ☐ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY:
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☐ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☒ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☐ CONTAINMENT BARRIER (CB) ☐ VACUUM EXTRACT (VE)
or ☒ EXCAVATE & DISPOSE (ED) ☒ EXCAVATE & TREAT (ET) ☐ NO ACTION REQUIRED (NA) ☐ OTHER (OT)
☐ REMOVE FREE PRODUCT (FP) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ TREATMENT AT HOOKUP (HU)
☐ ENHANCED BIO DEGRADATION (IT) ☐ REPLACE SUPPLY (RS) ☐ VENT SOIL (VS)

COMMENTS

HSC 05 (8/90)

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM A

COMPLETE THIS FORM FOR EACH FACILITY/SITE

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT [ ] 2 INTERIM PERMIT [ ] 3 RENEWAL PERMIT [ ] 4 AMENDED PERMIT [ ] 5 CHANGE OF INFORMATION [ ] 6 TEMPORARY SITE CLOSURE [X] 7 PERMANENTLY CLOSED SITE

I. FACILITY/SITE INFORMATION & ADDRESS - (MUST BE COMPLETED)

DBA OR FACILITY NAME	NAME OF OPERATOR	
Standard Brands Paint. Co.	Standard Brands Paint Company	
ADDRESS	NEAREST CROSS STREET	PARCEL # (OPTIONAL)
4343 San Pablo Avenue	Park Avenue	
CITY NAME	STATE / ZIP CODE	SITE PHONE # WITH AREA CODE
Emeryville	CA	NONE

✓ BOX TO INDICATE: [X] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP [ ] LOCAL-AGENCY DISTRICTS * [ ] COUNTY-AGENCY * [ ] STATE-AGENCY * [ ] FEDERAL-AGENCY *

* If owner of UST is a public agency, complete the following: name of Supervisor of division, section, or office which operates the UST _____

TYPE OF BUSINESS	✓ IF INDIAN RESERVATION OR TRUST LANDS	# OF TANKS AT SITE	E. P. A. I. D. # (optional)
[ ] 1 GAS STATION [ ] 2 DISTRIBUTOR [ ] 3 FARM [ ] 4 PROCESSOR [X] 5 OTHER	[ ]	1	

EMERGENCY CONTACT PERSON (PRIMARY)		EMERGENCY CONTACT PERSON (SECONDARY) - optional	
DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	DAYS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Ms. Midanek, Deborah	(510) 988-7114		
NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE	NIGHTS: NAME (LAST, FIRST)	PHONE # WITH AREA CODE
Ms. Midanek, Deborah	(510) 988-7114		

II. PROPERTY OWNER INFORMATION - (MUST BE COMPLETED)

NAME	CARE OF ADDRESS INFORMATION		
Standard Brands Paint Co.	Solon Asset Management		
MAILING OR STREET ADDRESS	✓ box to indicate: [X] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP	[ ] LOCAL-AGENCY [ ] COUNTY-AGENCY	[ ] STATE-AGENCY [ ] FEDERAL-AGENCY
1981 N. Broadway, Suite 325			
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Walnut Creek	CA	94596	(510) 988-7110

III. TANK OWNER INFORMATION - (MUST BE COMPLETED)

NAME OF OWNER	CARE OF ADDRESS INFORMATION		
Standard Brands Paint Co.	Solon Asset Management		
MAILING OR STREET ADDRESS	✓ box to indicate: [X] CORPORATION [ ] INDIVIDUAL [ ] PARTNERSHIP	[ ] LOCAL-AGENCY [ ] COUNTY-AGENCY	[ ] STATE-AGENCY [ ] FEDERAL-AGENCY
1981 N. Broadway, Suite 325			
CITY NAME	STATE	ZIP CODE	PHONE # WITH AREA CODE
Walnut Creek	CA	94596	(510) 988-7110

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER - Call (916) 322-9669 if questions arise.

TY (TK) HQ 44- [ ][ ][ ][ ][ ][ ]

V. PETROLEUM UST FINANCIAL RESPONSIBILITY - (MUST BE COMPLETED) – IDENTIFY THE METHOD(S) USED

✓ box to indicate: [ ] 1 SELF-INSURED [ ] 2 GUARANTEE [ ] 3 INSURANCE [ ] 4 SURETY BOND [ ] 5 LETTER OF CREDIT [ ] 6 EXEMPTION [X] 99 OTHER NONE - Orphan Tank

VI. LEGAL NOTIFICATION AND BILLING ADDRESS

Legal notification and billing will be sent to the tank owner unless box I or II is checked.

CHECK ONE BOX INDICATING WHICH ABOVE ADDRESS SHOULD BE USED FOR LEGAL NOTIFICATIONS AND BILLING: I. [ ] II. [X] III. [ ]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

OWNER'S NAME (PRINTED & SIGNED)	OWNER'S TITLE	DATE MONTH/DAY/YEAR
Standard Brands Paint Company Deborah Midanek Deborah Midanek	CEO	

LOCAL AGENCY USE ONLY

COUNTY #	JURISDICTION #	FACILITY #
[ ][ ]	[ ][ ][ ]	[ ][ ][ ][ ][ ][ ]

LOCATION CODE - *OPTIONAL*	CENSUS TRACT # - *OPTIONAL*	SUPVISOR - DISTRICT CODE - *OPTIONAL*

THIS FORM MUST BE ACCOMPANIED BY AT LEAST (1) OR MORE PERMIT APPLICATION - FORM B, UNLESS THIS IS A CHANGE OF SITE INFORMATION ONLY.

OWNER MUST FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

York #2 Removed 7/21/97 SHugo

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM.

MARK ONLY ONE ITEM: ☐ 1 NEW PERMIT ☐ 2 INTERIM PERMIT ☐ 3 RENEWAL PERMIT ☒ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY TANK CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☒ 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED:

I. TANK DESCRIPTION

COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. # None
B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR) Unknown
D. TANK CAPACITY IN GALLONS: 750

II. TANK CONTENTS

IF A-1 IS MARKED, COMPLETE ITEM C.

A. ☐ 1 MOTOR VEHICLE FUEL ☐ 2 PETROLEUM ☐ 3 CHEMICAL PRODUCT ☐ 4 OIL ☒ 80 EMPTY ☐ 95 UNKNOWN

B. ☐ 1 PRODUCT ☒ 2 WASTE

C. ☐ 1a REGULAR UNLEADED ☐ 1b PREMIUM UNLEADED ☐ 2 LEADED ☐ 3 DIESEL ☐ 4 GASAHOL ☐ 5 JET FUEL ☐ 6 AVIATION GAS ☐ 7 METHANOL ☐ 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED Assume Gasoline Pending Fingerprint Sample Result

III. TANK CONSTRUCTION

MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: ☐ 1 DOUBLE WALL ☒ 2 SINGLE WALL ☐ 3 SINGLE WALL WITH EXTERIOR LINER ☐ 4 SECONDARY CONTAINMENT (VAULTED TANK) ☐ 95 UNKNOWN ☐ 99 OTHER

B. TANK MATERIAL (Primary Tank): ☒ 1 BARE STEEL ☐ 2 STAINLESS STEEL ☐ 3 FIBERGLASS ☐ 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC ☐ 5 CONCRETE ☐ 6 POLYVINYL CHLORIDE ☐ 7 ALUMINUM ☐ 8 100% METHANOL COMPATIBLE W/FRP ☐ 9 BRONZE ☐ 10 GALVANIZED STEEL ☐ 95 UNKNOWN ☐ 99 OTHER

C. INTERIOR LINING: ☐ 1 RUBBER LINED ☐ 2 ALKYD LINING ☐ 3 EPOXY LINING ☐ 4 PHENOLIC LINING ☐ 5 GLASS LINING ☐ 6 UNLINED ☒ 95 UNKNOWN ☐ 99 OTHER
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL ? YES ___ NO ___

D. CORROSION PROTECTION: ☐ 1 POLYETHYLENE WRAP ☐ 2 COATING ☐ 3 VINYL WRAP ☐ 4 FIBERGLASS REINFORCED PLASTIC ☐ 5 CATHODIC PROTECTION ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

E. SPILL AND OVERFILL — SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN — OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

IV. PIPING INFORMATION

CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION A U 2 PRESSURE A U 3 GRAVITY A U (99) OTHER UNKNOWN

B. CONSTRUCTION: A U (1) SINGLE WALL A U 2 DOUBLE WALL A U 3 LINED TRENCH A U 95 UNKNOWN A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U (1) BARE STEEL A U 2 STAINLESS STEEL A U 3 POLYVINYL CHLORIDE (PVC) A U 4 FIBERGLASS PIPE A U 5 ALUMINUM A U 6 CONCRETE A U 7 STEEL W/ COATING A U 8 100% METHANOL COMPATIBLE W/FRP A U 9 GALVANIZED STEEL A U 10 CATHODIC PROTECTION A U 95 UNKNOWN A U 99 OTHER

D. LEAK DETECTION: ☐ 1 AUTOMATIC LINE LEAK DETECTOR ☐ 2 LINE TIGHTNESS TESTING ☐ 3 INTERSTITIAL MONITORING ☒ 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

☐ 1 VISUAL CHECK ☐ 2 INVENTORY RECONCILIATION ☐ 3 VADOZE MONITORING ☐ 4 AUTOMATIC TANK GAUGING ☐ 5 GROUND WATER MONITORING ☐ 6 TANK TESTING ☐ 7 INTERSTITIAL MONITORING ☐ 91 NONE ☒ 95 UNKNOWN ☐ 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR) 1956
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING 0 GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL ? YES ☐ NO ☒

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE) Paul E. Jones, Agent For Generator — DATE 07/16/97

LOCAL AGENCY USE ONLY

THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # — JURISDICTION # — FACILITY # — TANK #

PERMIT NUMBER — PERMIT APPROVED BY/DATE — PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

York removed 7/10/97 SHugo

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD

UNDERGROUND STORAGE TANK PERMIT APPLICATION - FORM B

COMPLETE A SEPARATE FORM FOR EACH TANK SYSTEM

MARK ONLY ONE ITEM: [X] 1 NEW PERMIT; [ ] 2 INTERIM PERMIT; [ ] 3 RENEWAL PERMIT; [ ] 4 AMENDED PERMIT; [ ] 5 CHANGE OF INFORMATION; [ ] 6 TEMPORARY TANK CLOSURE; [ ] 7 PERMANENTLY CLOSED ON SITE; [X] 8 TANK REMOVED

DBA OR FACILITY NAME WHERE TANK IS INSTALLED: Standard Brands Paint Company

I. TANK DESCRIPTION
COMPLETE ALL ITEMS -- SPECIFY IF UNKNOWN

A. OWNER'S TANK I. D. #: None
B. MANUFACTURED BY: Unknown
C. DATE INSTALLED (MO/DAY/YEAR): Unknown
D. TANK CAPACITY IN GALLONS: 550

II. TANK CONTENTS
IF A-1 IS MARKED, COMPLETE ITEM C.

A. [ ] 1 MOTOR VEHICLE FUEL; [ ] 2 PETROLEUM; [ ] 3 CHEMICAL PRODUCT; [ ] 4 OIL; [X] 80 EMPTY; [ ] 95 UNKNOWN

B. [ ] 1 PRODUCT; [X] 2 WASTE

C. [ ] 1a REGULAR UNLEADED; [ ] 1b PREMIUM UNLEADED; [ ] 2 LEADED; [ ] 3 DIESEL; [ ] 4 GASAHOL; [ ] 5 JET FUEL; [ ] 6 AVIATION GAS; [ ] 7 METHANOL; [X] 99 OTHER (DESCRIBE IN ITEM D. BELOW)

D. IF (A.1) IS NOT MARKED, ENTER NAME OF SUBSTANCE STORED: Waste Oil
C. A. S. #:

III. TANK CONSTRUCTION
MARK ONE ITEM ONLY IN BOXES A, B, AND C, AND ALL THAT APPLIES IN BOX D AND E

A. TYPE OF SYSTEM: [ ] 1 DOUBLE WALL; [ ] 2 SINGLE WALL; [ ] 3 SINGLE WALL WITH EXTERIOR LINER; [ ] 4 SECONDARY CONTAINMENT (VAULTED TANK); [X] 95 UNKNOWN; [ ] 99 OTHER ____

B. TANK MATERIAL (Primary Tank): [X] 1 BARE STEEL; [ ] 2 STAINLESS STEEL; [ ] 3 FIBERGLASS; [ ] 4 STEEL CLAD W/ FIBERGLASS REINFORCED PLASTIC; [ ] 5 CONCRETE; [ ] 6 POLYVINYL CHLORIDE; [ ] 7 ALUMINUM; [ ] 8 100% METHANOL COMPATIBLE W/FRP; [ ] 9 BRONZE; [ ] 10 GALVANIZED STEEL; [ ] 95 UNKNOWN; [ ] 99 OTHER ____

C. INTERIOR LINING: [ ] 1 RUBBER LINED; [ ] 2 ALKYD LINING; [ ] 3 EPOXY LINING; [ ] 4 PHENOLIC LINING; [ ] 5 GLASS LINING; [ ] 6 UNLINED; [X] 95 UNKNOWN; [ ] 99 OTHER ____
IS LINING MATERIAL COMPATIBLE WITH 100% METHANOL? YES ___ NO ___

D. CORROSION PROTECTION: [ ] 1 POLYETHYLENE WRAP; [ ] 2 COATING; [ ] 3 VINYL WRAP; [ ] 4 FIBERGLASS REINFORCED PLASTIC; [ ] 5 CATHODIC PROTECTION; [ ] 91 NONE; [X] 95 UNKNOWN; [ ] 99 OTHER ____

E. SPILL AND OVERFILL: SPILL CONTAINMENT INSTALLED (YEAR) UNKNOWN; OVERFILL PREVENTION EQUIPMENT INSTALLED (YEAR) UNKNOWN

IV. PIPING INFORMATION
CIRCLE A IF ABOVE GROUND OR U IF UNDERGROUND, BOTH IF APPLICABLE

A. SYSTEM TYPE: A U 1 SUCTION; A U 2 PRESSURE; A U 3 GRAVITY; A U (99) OTHER UNKNOWN

B. CONSTRUCTION: A U (1) SINGLE WALL; A U 2 DOUBLE WALL; A U 3 LINED TRENCH; A U 95 UNKNOWN; A U 99 OTHER

C. MATERIAL AND CORROSION PROTECTION: A U (1) BARE STEEL; A U 2 STAINLESS STEEL; A U 3 POLYVINYL CHLORIDE (PVC); A U 4 FIBERGLASS PIPE; A U 5 ALUMINUM; A U 6 CONCRETE; A U 7 STEEL W/ COATING; A U 8 100% METHANOL COMPATIBLE W/FRP; A U 9 GALVANIZED STEEL; A U 10 CATHODIC PROTECTION; A U 95 UNKNOWN; A U 99 OTHER ____

D. LEAK DETECTION: [ ] 1 AUTOMATIC LINE LEAK DETECTOR; [ ] 2 LINE TIGHTNESS TESTING; [ ] 3 INTERSTITIAL MONITORING; [X] 99 OTHER UNKNOWN

V. TANK LEAK DETECTION

[ ] 1 VISUAL CHECK; [ ] 2 INVENTORY RECONCILIATION; [ ] 3 VADOZE MONITORING; [ ] 4 AUTOMATIC TANK GAUGING; [ ] 5 GROUND WATER MONITORING; [ ] 6 TANK TESTING; [ ] 7 INTERSTITIAL MONITORING; [ ] 91 NONE; [X] 95 UNKNOWN; [ ] 99 OTHER

VI. TANK CLOSURE INFORMATION

1. ESTIMATED DATE LAST USED (MO/DAY/YR):
2. ESTIMATED QUANTITY OF SUBSTANCE REMAINING: 0 GALLONS
3. WAS TANK FILLED WITH INERT MATERIAL? YES [ ] NO [X]

THIS FORM HAS BEEN COMPLETED UNDER PENALTY OF PERJURY, AND TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT

APPLICANT'S NAME (PRINTED & SIGNATURE): Standard Brands Paint Company by Deborah McDaniels, its CFO Deborah McDaniels — DATE: 6/23/97

LOCAL AGENCY USE ONLY
THE STATE I.D. NUMBER IS COMPOSED OF THE FOUR NUMBERS BELOW

STATE I.D.# — COUNTY # | JURISDICTION # | FACILITY # | TANK #

PERMIT NUMBER | PERMIT APPROVED BY/DATE | PERMIT EXPIRATION DATE

THIS FORM MUST BE ACCOMPANIED BY A PERMIT APPLICATION - FORM A, UNLESS A CURRENT FORM A HAS BEEN FILED.
FILE THIS FORM WITH THE LOCAL AGENCY IMPLEMENTING THE UNDERGROUND STORAGE TANK REGULATIONS

FORM B (12-91)

FOR0034B-R6

FAST-TEK Engineering Support Services

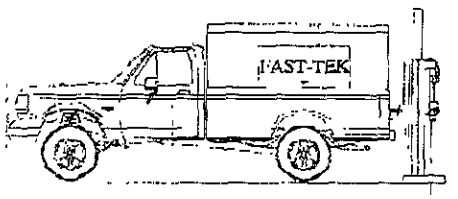
General Engineering Contracting License 589008: A, B, C-57, Haz., Asb.
Street Address: 247 B Tewksbury Ave., Pt. Richmond, CA 94801
Mailing Address: P.O. Box 10123, San Rafael, CA 94912
Telephone (510) 232-2728 • Facsimile (510) 232-2823 • e-mail: augerpro@aol.com

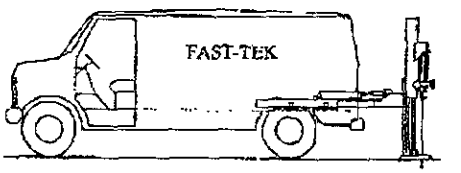
FACSIMILE TRANSMISSION

TO: Ms. Susan Hugo **FAX: (510) 337-9335**

DATE: 07/17/97 **JOB #: 301-001-02F**

FROM: Paul E. Jones **TOTAL SHEETS: 3**





Geoprobe Drilling • Excavating • Hollow Stem Auger Drilling • Waste Disposal • Vapor Extraction
Concrete Coring and Cutting • Utility Locating and Borehole Clearance • In-Situ Remediation Delivery Systems • Oxy-Plug™ Injections • Limited Access Drilling • Traffic Control Plans and Equipment

MESSAGE: Standard Brands Paint Co.
First UST Contents Fingerprint Sample Results
4343 San Pablo Avenue
Emeryville, California

Following is the report from Friedman and Bruya regarding fuel fingerprinting analysis of sludge sample collected from the first UST at the above-referenced site.

Please call with any questions or I may be paged at (415) 451-6434.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Beth Albertson, M.S.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.
Melanie Kirol, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

July 16, 1997

Paul Jones, Project Manager
FAST-TEK Eng. Support Services
247 B Tewksbury Avenue
Point Richmond, CA 94801

Dear Mr. Jones:

Included are the results from the testing of material submitted on July 14, 1997 from your 301-001-01F, Keeper, Emeryville project. Sample Tank Sludge was submitted for hydrocarbon characterization. Attached are the GC/FID and GC/ECD traces produced for this sample. In general, on a GC/FID trace, the volatiles elute first, close to time zero. The remaining material elutes in increasing boiling point order as the GC run progresses.

The majority of material present in sample Tank Sludge is indicative of a non-reformated gasoline. This low boiling distillate appears as a pattern of peaks eluting from approximately 2 to 12 minutes on the GC/FID trace. Non-reformated gasolines typically contain a lower aromatic content than reformated gasolines. The GC/ECD trace for sample Tank Sludge shows a peak indicative of tetraethyl lead (TEL) at approximately 9 minutes.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Kurt Johnson
Chemist

keh
Enclosures
FAX: (510) 232-2828
NAA071GR.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: July 16, 1997
Date Received: July 14, 1997
Project: 301-001-01F, Keeper, Emeryville
Date Samples Extracted: July 14, 1997
Date Extracts Analyzed: July 14, 1997

RESULTS FROM THE ANALYSIS OF THE SLUDGE SAMPLE FOR FINGERPRINT CHARACTERIZATION BY CAPILLARY GAS CHROMATOGRAPHY USING A FLAME IONIZATION DETECTOR (FID) AND ELECTRON CAPTURE DETECTOR (ECD)

Sample ID	GC Characterization
Tank Sludge	The GC trace using the flame ionization detector (FID) showed the presence of low boiling compounds. The patterns displayed by these peaks are indicative of gasoline. The low boiling compounds appeared as a pattern of peaks eluting from n-C_7 to n-C_{13} showing a maximum near n-C_7. The GC/ECD trace showed the possible presence of tetraethyl lead, a common additive to leaded gasolines. The large peak seen near 25 minutes on the GC/FID trace is pentacosane, added as a quality assurance check for this GC analysis. There is a second surrogate present that is seen on the GC/ECD trace at about 26 minutes which is dibutyl chlorendate.

FAST-TEK Engineering Support Services

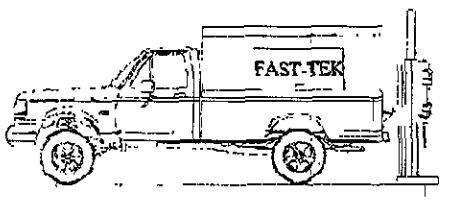
General Engineering Contracting License 589008: A, B, C-57, Haz., Asb.
Street Address: 247 B Tewksbury Ave., Pt. Richmond, CA 94801
Mailing Address: P.O. Box 10123, San Rafael, CA 94912
Telephone (510) 232-2728 • Facsimile (510) 232-2823 • e-mail: augerpro@aol.com

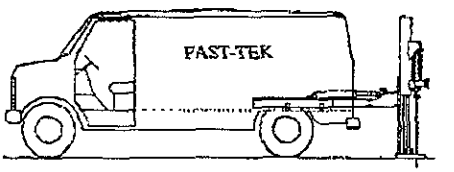
FACSIMILE TRANSMISSION

TO: Ms. Susan Hugo **FAX: (510) 337-9335**

DATE: 07/16/97 **JOB #: 301-001-02F**

FROM: Paul E. Jones **TOTAL SHEETS: 1**





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Concrete Coring and Cutting • Utility Locating and Borehole Clearance • In-Situ Remediation Delivery Systems • Oxy-Plug™ Injections • Limited Access Drilling • Traffic Control Plans and Equipment

MESSAGE: Standard Brands Paint Co.
4343 San Pablo Avenue
Emeryville, California

Just a quick note confirming that FAST-TEK will provide a check to the County in the amount of $630.00 for the required deposit to remove a second UST at the above-referenced site. As we discussed earlier, the fee will be provided at the site on the day of the removal currently scheduled for Monday July 21, 1997. Please call with any questions or comments.

7/21/97 STID 5406 told Paul Jones to mail check..

NOTES: If you did not receive the complete transmission, please call. This fax is privileged and confidential. If you are not an intended recipient, you are notified that any disclosure, dissemination or duplication of this fax is not authorized, and no waiver of any privilege or confidentiality is intended by your receipt of this transmission.

FAST-TEK
Engineering Support Services
drilling • excavating • in-situ technologies
589608, A, B, C-57, Haz, Asb

247 B Tewksbury Avenue
Pt. Richmond, CA 94801
510 232 2728
510 232 2823 fax
e-mail: augerpro@aol.com

July 16, 1997

Ms. Susan Hugo
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, Rm. 250
Alameda, CA 94502-6577

RE: Permit Amendment Request
Underground Storage Tank Removal
4343 San Pablo Avenue
Emeryville, California

ENVIRONMENTAL PROTECTION
97 JUL 18 AM 7:47

Dear Ms. Hugo:

FAST-TEK is requesting that the existing permit for removal of an underground storage tank (UST), approved by the department on July 7, 1997, be amended to include removal of a second UST discovered at the above-referenced site on July 14, 1997.

Subcontractors and procedures for UST removal and confirmation sampling will be used as outlined in the existing UST removal permit and in accordance with our recent telephone and direct conversations regarding the subject site.

Please find enclosed the UST permit application Form B for the second tank as well as an unauthorized release report for the release associated with the first UST. A check in the amount of $306.00 will be provided to the department for the additional deposit required on the day of the UST removal per our telephone conversation of July 16, 1997.

If I may be of further service or if you have any questions or comments, please do not hesitate to call at (510) 232-2728-230.

Sincerely,

Paul E. Jones
Project Manager

Paul E. Jones
project manager/geologist

FAST-TEK
Engineering Support Services
drilling • excavating • in-situ technologies

247 B Tewksbury Avenue
Pt. Richmond, CA 94801
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